

**RCRA Facility Investigation Report
For
Site FH-010 (Abandoned Sanitary Landfill 10)**

Revised Draft

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ACRONYMS

AA	Atomic Absorption
BEG	Bureau of Economic Geology
BGS	Below Ground Surface
CDAP	Chemical Data Acquisition Plan
CQAR	Chemical Quality Assessment Report
DPW	Directorate of Public Works
DQO	Data Quality Objective
EM	Electromagnetic
ft	Feet or Foot
GC/MS	Gas Chromatography/Mass Spectrometry
ICP	Inductively Coupled Plasma
IDW	Investigation Derived Waste
LCS	Laboratory Control Samples
MCL	Maximum Contaminant Level
msl	Mean Sea Level
MS/MSDs	Matrix Spike/Matrix Spike Duplicate
ppb	Parts Per Billion
ppm	Parts Per Million
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Facility Investigation
RRS	Risk Reduction Standards
SAIC	Science Applications International Corporation
SVOC	Semivolatile Organic Compound
SWMU	Solid Waste Management Unit
TCLP	Toxicity Characteristic Leaching Procedure
TNRCC	Texas Natural Resources Conservation Commission
USACE	United States Army Corps of Engineers
USDA	United States Department of Agriculture
USEPA	United States Environmental Protection Agency
UTL	Upper Tolerance Limit
VOC	Volatile Organic Compound

EXECUTIVE SUMMARY

This report describes the collection and analysis of data from Solid Waste Management Unit (SWMU) FH-010 (Abandoned Sanitary Landfill 10), one of the 35 SWMUs investigated during the RCRA Facility Investigation (RFI) conducted at Fort Hood, Texas during November 1996 through March 1997. Additional investigations at this unit were conducted in May 1998 through June 1998, October 1998, and September 1999. FH-010 is approximately 15 acres in size and was a trench-type landfill primarily used for municipal solid wastes. The landfill reportedly operated prior to 1972 and was constructed in a typical manner to other landfills of that era at Fort Hood. The landfill was covered with approximately six inches of soil at the time of closure (USACE 1995). An additional two feet soil cover was added to the landfill when the baseball fields were constructed in 1985. The primary objective of the investigation at FH-010 was to characterize the material in the landfill and to determine if a release to the environment has occurred due to the presence of waste materials within the landfill.

A review of the boring logs indicates the landfill is on top of bedrock. Historical data and visual observations delineate the physical boundary of the landfill. Geophysical results for a survey conducted in September 1999 indicate the water samples that were collected at locations inside of the landfill are from perched water zones rather than from a groundwater aquifer. The data from this RFI has been evaluated using a two-part screening process according to guidance in the Texas Natural Resources Conservation Commission (TNRCC) Risk Reduction Standards [RRS (TAC 335 Subchapter S)].

All samples were collected and analyzed according to the Final RFI Work Plan (USACE 1995) and approved Work Plan Modifications (approval letter from the TNRCC dated April 21, 1998). Twenty-five soil samples and ten groundwater samples were collected during the RFI at FH-010. The number and location of the samples were adequate to provide information regarding the presence/absence of contamination; the characterization of the vertical and lateral extent of potential contamination; and the boundaries of the suspected disposal area.

Results of FH-010 surface and subsurface soil analyses of samples collected inside of the landfill indicated the presence of arsenic, cadmium, lead, and bis(2-ethylhexyl)phthalate at concentrations that exceeded the RRS Number 2 values. These constituents were all detected from locations inside of the landfill. No constituents were detected above the RRS values in samples collected outside of the landfill. Water samples collected within the landfill were from perched water zones as confirmed by the geophysical survey results rather than from a groundwater aquifer. Within the boundary of the FH-010 landfill, cadmium, lead, and vinyl chloride were detected above screening criteria in water samples. These parameters were not detected in the water sample collected outside of the FH-010 landfill at PZ103 or near the landfill boundary at PZ104 and SB 101 locations. This information indicates that there has been no migration of these constituents from the landfill.

Constituents detected above screening levels within FH-010 are typical of the expected landfill debris found in landfills prior to 1972. There has been no evidence from results of samples collected outside of FH-010 that indicates the constituents found within the boundary of the landfill have migrated outside of the landfill. The potential for migration of constituents detected above background and/or screening criteria in soil and water within the FH-010 landfill can be considered low because these constituents were detected at relatively low and infrequent concentrations in samples collected at FH-010. It is recommended that Fort Hood maintain the FH-010 landfill to ensure that the integrity of the unit is not compromised and the conditions do not change at the unit that may cause a threat to human health or the environment. However, even though there is no risk outside of the unit or potential for migration from the unit, Fort Hood may plan additional voluntary clean-up action at this site as a preventative measure. The unit is operating as intended, and no mandatory further action is

necessary.

1.0 INTRODUCTION

Fort Hood is an active U.S. Army installation occupying 217,551 acres (339 square miles) in southern Coryell and Bell Counties in central Texas. It is situated 60 miles north of Austin, and about 50 miles south of Waco. The installation is located north of and adjacent to the city of Killeen, east of and adjacent to the city of Copperas Cove, and four miles south of the city of Gatesville. A vicinity map is shown in Figure 1.1.

Fort Hood began operations in 1942. Robert Gray Air Field, originally operated by the Air Force as Robert Gray Air Force Base, was established in 1947 (U. S. Army 1996a). Fort Hood's mission is training, testing, and deployment of military personnel and equipment. The post is commanded by the III Corps Commander. Currently, the post supports two full armored divisions (the 1st Cavalry and 4th Infantry Divisions). Forty-three thousand military personnel are stationed there; and an additional 30,000 family members, civilians, volunteers, and private-sector employees also live or work at Fort Hood (U.S. Army 1996b). Among the military assets of Fort Hood are approximately 2,500 tracked vehicles, over 11,000 wheeled vehicles, six fixed wing aircraft, and 230 rotary-wing aircraft. The post has 67 active firing and demolition ranges.

The Fort Hood military reservation is regulated under the Resource Conservation and Recovery Act (RCRA) as a hazardous waste management facility. Fort Hood has a RCRA permit to operate three hazardous waste storage units. The RCRA permit requires that Fort Hood perform a RCRA Facility Investigation (RFI) for 40 solid waste management units (SWMUs) listed in the permit. These SWMUs are distributed across the military reservation, in the main cantonment, West Fort Hood, and North Fort Hood. They include former solid waste landfills and burial sites, former and inactive underground storage tank locations, active wash rack/sewer systems, effluent ponds, and a sanitary sewer network. An installation map is shown in Figure 1.2.

This report describes the collection and analysis of data from SWMU FH-010 (Abandoned Sanitary Landfill 10), one of the 35 SWMUs investigated during the RFI originally conducted November 1996 through March 1997. Additional investigations at this unit were conducted in May through June 1998, October 1998, July and September 1999. SWMU FH-010 is located on the west side of Clear Creek Road and north of Battalion Avenue.

1.1 BACKGROUND

SWMU FH-010, approximately 15 acres in size, was a trench-type landfill primarily used for municipal solid wastes and concrete rubble. The construction and usage of FH-010 was typical of other landfills found at Fort Hood. The landfill reportedly operated prior to 1972. The depth of the trenches is unknown (U.S. Army Corps of Engineers [USACE] 1995). The landfill was covered with approximately six inches of soil at the time of closure (USACE 1995). An additional two feet of soil cover was added and two baseball fields were constructed at the site in 1985. The baseball fields known as Buildings 52391 and 52392 include dugouts, parking areas, fencing, and electric lighting (Hood 1991).

During formulation of the RCRA Facility Investigation Work Plan for 35 SWMUs (USACE 1995), aerial photographs taken in the mid-1970s were found that clearly show the outlines of the landfill trenches. Physical evidence of the landfill operations is no longer visible at the site (USACE 1995). The Base Information Mapping at Fort Hood did not show any landfill or other features at this location, therefore, the footprint of the landfill was determined by the aerial photographs and by locating adjacent manmade features.

No investigations prior to the RFI were conducted at FH-010 and no leachate or seeps has been observed at the landfill. The landfill was anticipated to contain typical municipal solid waste and concrete rubble found in uncontrolled landfills that were in operation prior to 1972.

1.2 SCOPE AND OBJECTIVES

The primary objective of investigation at FH-010 was to characterize the material in the landfill and to determine if a release to the environment has occurred due to the presence of waste materials within the landfill. Sampling for the RFI focused on determining the concentrations of heavy metals and organics. The specific objectives of the investigation at this SWMU were as follows:

- determine/confirm the presence or absence of contaminants in the soils at the landfill;
- determine the vertical and lateral extent of soil contamination at the landfill, where practicable;
- determine if groundwater is present below the landfill and if present, determine if the groundwater is contaminated;
- characterize the migration potential of any contaminants identified in the soils beneath the landfill; and
- obtain information about the local geological conditions at the landfill.

In addition to the specific objectives stated in the RFI for FH-010, the following are objectives for all SWMUs:

- evaluate the potential human health risks associated with contaminants detected in surface and subsurface soils; and
- determine what, if any, corrective measures are needed to address contamination associated with the SWMU.

The approach to the RFI included field sampling and laboratory analysis of surface and subsurface soils, and groundwater at this SWMU. Because of the lack of data previously collected for this site, a geophysical investigation of the landfill was conducted for this RFI. The initial sampling and analysis program was conducted in December 1996 in accordance with the Final RCRA Facility Investigation Work Plan, 35 Solid Waste Management Units, Fort Hood, Texas (Final RFI Work Plan [USACE 1995]). Additional sampling and analysis was performed in accordance with approved Work Plan Modifications (approval letter from the Texas Natural Resource Conservation Commission [TNRCC] dated April 21, 1998) and samples were collected in May through June 1998 and in October 1998. The sampling events conducted during 1998 indicated the presence of vinyl chloride in water samples collected within the limits of the landfill boundary. In an effort to further delineate the area, geophysical surveys were conducted in June 1999 and in September 1999. Additional water samples were collected for vinyl chloride analysis from within the limits of the landfill boundary based on the results of the geophysical surveys.

Initial sampling of landfill units in 1996 at Fort Hood was conducted during a period of unusually high precipitation. It was documented at that time that these landfill units were either saturated or contained areas of perched water. Because the base of the landfills rests on the bedrock surface, there was a question as to what happens to the water contained within the landfills. To address this question, piezometers were installed in an upgradient/downgradient detection monitoring type scheme around the landfill. Four piezometers were installed and groundwater samples were taken at FH-010 in May through June of 1998. Placement of piezometers was based on bedrock conditions and the depth at which water was encountered.

Groundwater sample results indicated the presence of vinyl chloride within the boundaries of the landfill. In order to evaluate the vertical and lateral extent of potential contamination and to physically characterize the

landfill, geophysical surveys using electrical imaging (EI) were conducted and followed up with collection of additional water samples for analyses. This last round of sampling conducted in September 1999 used cone penetrometer technology (CPT) for sample collection that were advanced in the locations identified by the geophysical survey as being saturated zones and containing water. The geophysical surveys and additional sampling was not required to complete the RFI, but was conducted by Fort Hood as a proactive voluntary effort to ensure the conditions at the landfill pose no risk.

2.0 ENVIRONMENTAL SETTING

The material presented in this section describes the physical characteristics of SWMU FH-010 and its surroundings. The geology, physiography, and climate are presented using regional and site-specific data where available.

2.1 PHYSIOGRAPHIC SETTING

Fort Hood is located within the eastern edge of the Lampasas Cut Plains region of the North-Central Plains physiographic province. The topography of Fort Hood consists of small stream valleys separated by ridge-forming mesas. Relief is as great as 340 ft. The Black and Blackwell Mountains are prominent features north of the main cantonment, as are Seven Mile Mountain at West Fort Hood, and the Dalton Mountains southwest of North Fort Hood. A topographic map of the main cantonment of Fort Hood is provided in Figure 2.1.

Local relief on the main cantonment and at West Fort Hood is generally less than 100 ft, with flat to gently rolling topography. Elevations on the main cantonment range from 860 to 940 ft above mean sea level (msl). The elevation at SWMU FH-010 is approximately 900 feet above mean sea level (msl). The site slopes to the west towards an unnamed tributary of Clear Creek that drains the site.

The rivers, streams, and creeks that constitute the main surface water pathways at Fort Hood are shown on Figure 1.2. Fort Hood lies along a watershed divide between Belton Lake drainage basin and the Leon River. The western and north-central parts of the main cantonment are drained by Clear Creek, which discharges to House Creek. House Creek is a tributary to the eastward-flowing Cowhouse Creek, which discharges to Belton Lake, a man-made reservoir. South Nolan Creek and North Nolan Creek both originate on Fort Hood and flow eastward to the Leon River, below Belton Lake.

2.2 GEOLOGIC CONDITIONS

A summary of the geology of the Fort Hood area relevant to this RFI is adapted from the Final RFI Work Plan (USACE 1995).

2.2.1 Bedrock

Lower Cretaceous marine sedimentary rocks make up the stratigraphy underlying Fort Hood. The Fredericksburg Group consists of several stratigraphic units. The Walnut Formation is the lowermost unit of the Fredericksburg Group and is the dominant stratigraphic unit in the main cantonment. It consists of shales with interbedded limestone, chalky nodular limestone, and shell aggregates. The fossiliferous Walnut Formation is exposed in many locations at Fort Hood. It varies in thickness from 100 to 150 ft (Bureau of Economic Geology [BEG] 1979). The Commanche Peak Formation and an undifferentiated unit overlie the Walnut Formation, but are present at the surface only north of the main cantonment in the Black and Blackwell Mountains, and on West Fort Hood on Seven Mile Mountain. Bedrock dips gently to the southeast throughout the area. Inactive faults are present in the subsurface to the east of Fort Hood along the Balcones Fault Zone, which runs through Bell, McLennan, and Hill Counties.

2.2.2 Unconsolidated Materials

Alluvial deposits of Quaternary age are present along stream valleys on the main cantonment, specifically along South Nolan Creek on the southern edge of the cantonment (USACE 1995). It is suspected that much alluvium and other natural surface deposits have been reworked throughout the active life of Fort Hood during construction projects.

2.3 CHARACTERIZATION OF SOILS

In many areas of the main cantonment, silty or sandy clay soils overlie bedrock. During the April 1998 investigation, differentiation between the unconsolidated soil and the underlying bedrock was made by the difference in color. During the previous field investigation it had been noted that the uppermost tan colored limestone and gravelly silty clays were more weathered than the underlying blue-gray limestone/limey-shales. It was ascertained that the tan color is evidence of the weathering processes occurring close to the surface of the ground. In upland areas, these unconsolidated soils consisted of silty clay with abundant rock fragments (weathered fossiliferous limestone and chert nodules) with weathered laminations of shale and limestone. In general, these soils have low permeabilities (U.S. Department of Agriculture [USDA] 1985a,b). Because soils have been extensively reworked for construction and landfilling in the SWMUs that were investigated, it is difficult to apply the USDA classification to the soils encountered on the main cantonment.

From the information provided in the boring logs (Appendix A), the blue-gray limestone/limey-shales were encountered at depths of 23 to 28 ft BGS in soil borings SB101, SB103, SB104, SB105, and SB106. Piezometer boring logs indicate that silty clay and limestone fragments were encountered at depths of approximately 27 ft BGS at PZ101; 17 ft BGS at PZ102 and PZ103; and 10 ft BGS at PZ104. No logs are available for the cone penetrometer (CPT) sampling round. During this last sampling round the clay/limestone soil made it difficult to push the cone and resulted in no recovery, therefore, no soil samples for characterization.

2.4 CHARACTERIZATION OF CLIMATE

The climate of the Fort Hood-Killeen area can be characterized as semi-arid continental. Winters (December-March) are mild, with the average daily maximum temperature in January (the coldest month) reaching 60 degrees Fahrenheit (°F). Below-freezing temperatures occur on an average of 23 days per year. The normal daily winter temperature range is 42 to 62° F. At times, strong northerly winds accompanied by sharp drops in temperature occur during the winter months. Summers (June-September) are hot and dry. The average daily maximum temperature in August, the hottest month, reaches 95.9° F. The normal daily temperature range for summer is 75 to 95° F. The average daily temperature in Killeen is 68.1° F.

Average annual rainfall in the Killeen area is 30.4 inches, and is most concentrated from September to May (U.S. Army 1996b). Snowfall is rare. The average annual humidity in the region is 55 percent. Severe weather in the form of heavy rain, hailstorms, and ice storms is common in the winter months.

3.0 UNIT CHARACTERIZATION

SWMU FH-010 is an abandoned sanitary landfill that has been covered with two feet of native soil and now is the location of two baseball fields. Local relief at FH-010 is approximately 10 ft, ranging in elevation from approximately 890 ft above msl along the southern and western boundaries to 900 ft above msl at the center of the FH-010. The surface area of the landfill is sparsely vegetated with grass and slopes to the west towards an unnamed tributary of Clear Creek that drains the site. SWMU FH-010 is approximately 15 acres in size. The trench method of disposal reportedly operated prior to 1972 at the landfill. A review of the boring logs indicates the landfill is on top of bedrock. Precipitation has likely ponded on low areas of the landfill and infiltrated the landfill cover. The soil boring logs and the geophysical surveys indicate that the water samples that were collected from locations within the landfill boundary were from perched water zones rather than from a groundwater aquifer, and that the perched water conditions may be seasonal.

The landfill was constructed in native soil. The construction and usage of FH-010 was typical of the other landfills at Fort Hood constructed during that era. Based on the soil boring logs the material found in the FH-010 landfill reportedly contains municipal solid wastes. Specific types of debris identified during drilling activities at FH-010 and recorded on soil boring logs (see Appendix A) include asphalt, brick and wood at SB101, wood at SB105, plastic (visqueen) at SB106, and plastic, garbage, and wood at SB107. Photographs of the site were taken in January 1999 and are presented in Figure 3.1.

3.1 GEOPHYSICAL SURVEY RESULTS

Groundwater sampling performed during December 1996 and again in October 1998 revealed the presence of vinyl chloride at two locations that are close to each other and within the limits of the landfill at FH-010. As a result of these findings, geophysical investigations were performed in June 1999 and September 1999 to locate potential water zones in the area of these two locations. The initial geophysical survey conducted in June 1999 provided data that was insufficient for characterization near a sewer utility that trended north to south approximately 100 meters east of SB102 and that could be a potential migration pathway in this area. The September 1999 geophysical survey provided additional information on the characterization of the saturated zones in the proximity of SB102. The results of the geophysical surveys were then used to model and identify the potential saturated zones.

The geophysical surveys were conducted using electrical imaging (EI) technology. See Appendix B for the geophysical report. EI involves measuring the resistivity of the landfill subsurface and producing an image from the electrical properties of the subsurface. A total of eleven EI traverses were investigated during the geophysical surveys. The EI traverses pass near locations where geological information is available. Traverses FH10-1 through FH10-4 all intersect soil boring SB102. Traverse FH10-5 intersected FH10-1 and FH10-3. Traverse FH10-6 was centered on piezometer PZ101. FH10-7 and FH10-8 paralleled the sewer utility, while FH10-9 and FH10-10 intersected the utility. The EI survey results were modeled with Earth Vision software to provide a three-dimensional model of saturated water zones. See Appendix B.

The conclusion of the surveys and the information provided during the RFI indicates that the groundwater is not true groundwater but rather perched water within the landfill that has a low chance for migration. Conditions had not changed between initial sampling in December 1996 and September 1999 at FH-010. Groundwater was not noted in all of the soil borings in the landfill, and based upon the geophysical survey and modeling results, the groundwater that was observed is believed to be an isolated perched zone, not a continuous aquifer. The potential for migration of water identified within the boundary of the landfill is quite low due to the predominantly silty clay lithology at FH-010 that inhibits the mobility of any contamination. Additionally, bedrock underlies the landfill and limits potential migration.

The maps provided as a result of the survey identified potential saturated zone locations for sampling within the boundary of the landfill near SB102 and SB107 for characterization of the vinyl chloride in FH-010. Once perched water zones were identified, water samples were collected and analyzed for vinyl chloride to determine the vertical and lateral extent of potential contamination within the landfill. Complete geophysical survey results of FH-010, including the Electrical Imaging (EI) modeled three dimensional saturated zone maps, are provided in Appendix B.

4.0 CHARACTERIZATION OF UNIT CONTAMINATION

The following sections describe the results of field activities and analytical procedures performed to achieve site specific objectives defined in Section 1.2 of this report.

4.1 TECHNICAL APPROACH

Four sampling events were conducted at FH-010. The first took place in December 1996 and all samples were collected from within the landfill boundary, in accordance with the approved Final RFI Work Plan (USACE 1995). A second sampling event occurred in May through June 1998. Piezometers were installed in an upgradient/downgradient detection monitoring type scheme around the landfill to determine if any contaminants detected in the landfill have migrated outside of the landfill. On October 30, 1998 soil and groundwater samples were collected from a single boring (SB107) advanced adjacent to SB102 to confirm the presence of vinyl chloride detected at SB102. The fourth sampling event using cone penetrometer technology (CPT) occurred in September 1999 based on the geophysical investigation results for the determination of the groundwater sample locations.

Both surface (0 - 2 ft BGS) and subsurface soils (> 2 ft BGS) were sampled at FH-010. Different soil depths were sampled in order to provide data necessary to evaluate the potential human health risks associated with contaminants at the site and to better characterize the potential extent of contamination present in different soil strata. Contaminant concentrations will vary based on soil depth due to the chemical nature of the contaminant and the method by which the contaminant is deposited in the soil (i.e., spills, leaks, and atmospheric deposition). Concentrations at the surface of the soil may differ greatly from subsurface levels. In addition, analysis of different soil levels is necessary to accurately evaluate the human health risks associated with the contaminants. Exposures based on surface or direct contact will differ from exposure, if any, associated with contaminants in deeper soils. Combining surface and subsurface data may result in a database that is not truly representative of actual exposure at the site. At FH-010 direct contact with surface soils is more likely than contact with deeper soils.

Groundwater was sampled when found from soil borings advanced inside the landfill, piezometer locations at the boundary and outside of the landfill, and from CPT borings advanced within the boundaries of FH-010 to determine if contaminants were present in groundwater. Sample identifications and associated analyses for all soil and groundwater samples collected at FH-010 are summarized in Table 4.1.

4.1.1 Soil Sampling Investigation

The locations of the sampling points at FH-010 are shown in Figure 4.1. All subsurface soil borings with the exception of SB107 were drilled using a truck-mounted hollow-stem auger rig. SB107 was advanced using a Geoprobe unit. Soil samples from subsurface borings were collected using a 5-foot continuous downhole sampling device. Downhole, breathing zone, and headspace organic vapors were monitored during sampling activities. Hand auger samples were collected using a stainless steel hand augering device. All initial soil sampling, sample handling, chain-of-custody, and other field activities were conducted in December 1996 in accordance with the Final RFI Work Plan (USACE 1995) and the Chemical Data Acquisition Plan (USACE 1997 [CDAP]). During formulation of the RFI Work Plan, it was believed that unconsolidated material existed below the depth of the landfills at Fort Hood. Soil samples were originally to be collected from depths above and below the landfill, but during initial sampling activities, it was discovered that the landfill material rested on bedrock, which prohibited the collection of subsurface soil samples beneath the depth of the landfill. A subsurface sample was collected beneath the depth of the landfill in borings where a sufficient amount of

weathered or unconsolidated material was present below the landfill material. Only subsurface soil samples were collected during the installation of piezometers.

A second round of soil sampling was conducted during the installation of four piezometers in May and June 1998 and a third round of one soil boring was conducted in October 1998. Sampling was in accordance with the Final RFI Work Plan (USACE 1995) and Work Plan Modifications (TNRCC, April 21, 1998). Following sampling activities, all soil borings were closed in accordance with applicable requirements. Upon completion of the RFI, all piezometers will be abandoned in accordance with applicable requirements and abandonment reports will be submitted to the TNRCC.

A total of seven surface soil and eighteen subsurface soil samples were collected at FH-010 during advancement of seven subsurface soil borings (SB101 through SB107) and four piezometers (PZ101 through PZ104). Soil samples were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and metals. The boring logs for FH-010 are provided in Appendix A.

Four piezometers (PZ101, PZ102, PZ103, and PZ104) were installed at FH-010. PZ101 and PZ102 were advanced into bedrock and PZ103 and PZ104 were advanced into the unconsolidated material. Blue-gray bedrock was encountered at a depth of approximately 24 ft BGS on the southeastern side of the landfill in piezometer PZ103, and at depths of 15 ft BGS and 25 ft BGS at PZ102 and PZ104 on the northwest side of the landfill. In the southcentral area of the landfill, the blue-gray bedrock was encountered at a depth of 18.5 ft BGS in piezometer PZ101. The blue-gray limestone and shale bedrock was overlain by yellow silty clays containing weathered limestone fragments. Landfill debris including trash, asphalt, brick, plastic, or wood was encountered in borings SB101, SB102, SB 105, SB106, and SB107.

4.1.2 Groundwater Sampling

A total of ten groundwater samples (Table 4.1) were collected during the investigation of FH-010. See Figures 4.1 and 4.2. One groundwater sample was collected in December 1996 when groundwater was encountered during installation of the soil boring at SB102. Another groundwater sample was collected from the soil boring at SB107 in October 1998 to confirm the SB102 results. Groundwater samples were also collected in June 1998 from two of the four newly installed piezometers (PZ103 and PZ104). PZ103 and PZ104 were advanced into unconsolidated material and characterized groundwater above bedrock. No samples were collected from PZ101 and PZ102 that were advanced into bedrock to characterize the groundwater within the bedrock. The four groundwater samples were analyzed for VOCs, SVOCs, and metals. Based on the analytical results of the groundwater samples collected at SB102 and SB107, the 1999 geophysical surveys were conducted and provided additional information on the characterization of the saturated zones in the proximity of SB102. CPT was then employed to collect additional groundwater samples near these two locations in the suspected saturated zones identified by the geophysical surveys to characterize potential contamination. A total of sixteen CPTs were advanced and groundwater was encountered and sampled at only six of these CPT locations. These six samples were analyzed for vinyl chloride only. Groundwater was collected and analyzed in accordance with the Final RFI Work Plan (USACE 1995), Work Plan Modifications (TNRCC, April 21, 1998) and CDAP. Upon completion of the RFI, all piezometers will be abandoned in accordance with applicable requirements and abandonment reports will be submitted to the TNRCC.

4.2 UNIT INVESTIGATION AND ANALYTICAL RESULTS

Analytical results for soils at SWMU FH-010 (validated data and laboratory result forms) are provided in their entirety in Appendix C. Tables 4.2 and 4.3 summarize constituents detected above practical quantitation limits (PQLs) in soil and groundwater, respectively. The constituents detected above PQLs were screened against

background and risk-based screening criteria as described in Section 4.3 and Section 5.0.

4.2.1 Surface Soil Analytical Results

All surface soil analyte results above PQLs are presented in Table 4.2. Inorganic constituents detected above PQLs in surface soils include: arsenic (3.4 parts per million [ppm] at SB105 to 5.5 ppm at SB104), barium (23.5 ppm at SB105 to 55.3 ppm at SB106), cadmium (0.07 ppm at SB105 to 0.58 ppm at SB104), chromium (6.0 ppm at SB103 to 10.2 ppm at SB104), lead (3.5 ppm at SB105 to 13.9 ppm at SB104), and mercury (0.05 ppm at SB107).

VOCs detected above PQLs in surface soils in the FH-010 samples include acetone, and toluene. Acetone was detected at 140 parts per billion [ppb] at SB105. Toluene was detected at two locations SB105 and SB106 at concentrations of 7 ppb and 10 ppb, respectively. No SVOCs were detected above PQLs in surface soils at FH-010.

4.2.2 Subsurface Soil Analytical Results

All subsurface soil analytical results above PQLs are presented in Table 4.2. Inorganic constituents detected above PQLs in subsurface soils include: arsenic (1.9 ppm at SB105 to 13.3 ppm at SB106), barium (1.8 ppm at SB105 to 53.3 ppm at SB107), cadmium (0.06 ppm at SB101 to 2.2 ppm at SB107), chromium (1.1 ppm at SB105 to 11.5 ppm at SB107), lead (2.0 ppm at SB105 to 99.7 ppm at SB107), selenium (0.25J ppm at PZ102 and 0.26J at PZ101) and mercury (0.07 ppm at SB107).

VOCs detected above PQLs in subsurface soils in the FH-010 samples include: acetone, chlorobenzene, isopropyl benzene, n-butylbenzene, n-propylbenzene, sec-butylbenzene, tert-butylbenzene, methylene chloride, trichloroethene, and toluene. Acetone, n-butylbenzene, trichloroethene, and toluene were each detected in subsurface soil samples at multiple locations with concentrations in the following ranges: acetone (6 ppb at PZ101 to 420 ppb at SB103), n-butylbenzene (6 ppb at PZ102 to 1400 ppb at SB107), trichloroethene (8 ppb at SB104 to 11 ppb at SB103) and toluene (15 ppb at SB103 to 32 ppb at SB101). Methylene chloride was detected in subsurface soils at one location (PZ104) at a concentration of 12 ppb (15-15.5 ft BGS). Chlorobenzene (180 ppb), isopropyl benzene (86 ppb), n-propylbenzene (210 ppb), sec-butylbenzene (1100 ppb), and tert-butylbenzene (17 ppb) were detected in subsurface soils at one location (SB107) at a depth of 12-14.2 ft BGS.

SVOCs were only detected above PQLs in subsurface soils collected at SB107 at a depth of 12-14.2 ft BGS. The SVOCs included 1,4-dichlorobenzene, 2-methylnaphthalene, bis(2-ethylhexyl)phthalate, di-n-butylphthalate, n-nitrosodiphenylamine, naphthalene, and phenanthrene. The concentrations of these SVOCs range from 590 ppb for 2-methylnaphthalene to 2600 ppb for bis(2-ethylhexyl)phthalate. All subsurface soil analytical results above PQLs are presented in Table 4.2.

4.2.3 Groundwater Analytical Results

Table 4.3 presents all of the groundwater analytical results above PQLs. Inorganic constituents detected above PQLs in groundwater at FH-010 include: arsenic (21.5 ppb at SB102 to 23.4 ppb at SB107), barium (76.9 ppb at PZ104 to 506 ppb at SB107), cadmium (7.6 ppb at SB107), chromium (5.7 ppb at PZ103 to 39.2 ppb at SB107), lead (1.6 ppb at PZ104 to 248 ppb at SB107), and mercury (0.47 ppb at SB107).

VOCs were detected above PQLs in groundwater in the FH-010 samples. PZ103 exhibited only one VOC detection (6 ppb chlorobenzene at PZ103). VOCs detected at SB102 ranged in concentration from 6 ppb to 79

ppb and included 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 1,4-dichlorobenzene, chlorobenzene, ethylbenzene, isopropyl benzene, m,p-xylene, n-propylbenzene, o-xylene, and vinyl chloride. VOCs detected at SB107 ranged in concentration from 7 ppb to 84 ppb and included 1,4-dichlorobenzene, chlorobenzene, n-propylbenzene, and vinyl chloride. The last round of groundwater sampling, conducted in September 1999, resulted in the detection of vinyl chloride above the PQL at 4 of the 6 CPT locations. The vinyl chloride concentrations ranged from 0.87 ppb at CPT109 to 19 ppb at CPT 101.

Three SVOCs were detected above PQLs in groundwater at FH-010. The SVOCs that were detected at SB102 include: 1,4-dichlorobenzene, n-nitrosodiphenylamine, and naphthalene at concentrations of 27 ppb, 5 ppb, and 50 ppb, respectively. Naphthalene and 1,4-dichlorobenzene are also reported as a VOC. However, for this investigation SVOC results for naphthalene and 1,4-dichlorobenzene have been used to interpret investigation results because this is the more appropriate analysis method for these constituents. No other VOCs or SVOCs were detected in groundwater at FH-010.

4.2.4 Disposition of Investigation Derived Waste (IDW)

All IDW generated during drilling at FH-010 was stored in 55 gallon drums. All drums were clearly identified with the drum's contents, the date they were filled, and the SWMU where the IDW was generated. Drums were staged in the Science Applications International Corporation (SAIC) compound pending disposition. Analytical results from the corresponding soil samples were used to determine whether a drum's contents were non-hazardous or potentially hazardous. Contaminant levels were screened against the RCRA A20 times@ rule for the Toxicity Characteristic Leaching Procedure (TCLP). Provisions were made for TCLP sampling of any solid IDW drums that did not meet the A20 times@ criteria. When a site soil sample concentration for a hazardous constituent was twenty times or greater than its respective leachate concentration listed in 30 TAC Chapter 335, Subchapter R, Appendix 1, Table 1, a sample was collected. All solid IDW determined to be non-hazardous by this method is transported to the Fort Hood Sanitary Landfill for disposal. All solid IDW determined to be potentially hazardous is delivered to the Fort Hood Directorate of Public Works (DPW) Classification Unit with the accompanying characterization data.

All solid IDW at FH-010 was placed in twenty-five 55-gallon drums and was determined to be non-hazardous. The solid IDW was then transported to the Fort Hood Sanitary Landfill for disposal. All liquid IDW generated for this SWMU resulted from the decontamination of the drilling rig and other sampling equipment and well development/purge water and was placed in thirteen 55-gallon drums. Liquid IDW was determined to be non-hazardous and was disposed of in the 1st Calvary Division Tactical Vehicle Wash Facility. The drums containing the non-hazardous liquid are expected to contain a significant amount of sediment. For this reason, disposal at the 1st Calvary Division Tactical Vehicle Wash Facility was determined to be more appropriate than discharging the liquid to the sanitary sewer system. The Vehicle Wash Facility is a closed loop system consisting of three ponds used to settle out the dirt and sediment washed off the armored vehicles.

4.3 BACKGROUND CHARACTERIZATION AND COMPARISONS WITH WASTE UNIT SAMPLING RESULTS

In order to characterize naturally occurring constituents in soils at Fort Hood, samples were located and collected at 10 separate locations within the facility boundaries in the north, west, and main cantonments. Sampling locations are believed to be outside the influence of past or current industrial and/or waste activities at the facility. The general background sampling locations are presented in Figure 4.2. Background soils data and soil boring logs are presented in Appendices D and E, respectively.

Samples were analyzed for the following metals: arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver. There were only 40 valid background sample results for selenium due to quality assurance/quality control (QA/QC) problems with the selenium data. A discussion of the data QA/QC is presented in Section 6.1. Mercury was detected in only 1 of 43 soil samples and selenium in 2 of 40 background samples. Silver was not detected in any background soil samples.

Two statistical methods presented in the Final RFI Work Plan (USACE 1995) can be used to determine if there is a statistically significant difference between background soil concentrations and the concentrations of metals detected in SWMU samples. Background statistical calculations were determined by combining metal results from surface soils (0-2 ft) and subsurface soils (>2 ft). The statistical methods used to evaluate the background soil results are presented in Section 6 of the Final RFI Work Plan (USACE 1995). The methods include a 95% upper tolerance limit (UTL) calculation and an overall data set mean background concentration. The 95% UTL is an estimate of the 95th percentile of the population of background concentrations. The UTL is a value such that, with a high degree of confidence, 95% of all concentrations would be less than the UTL value. Results of the 95% UTL calculation are presented in Table 4.4. For inorganic parameters where the distribution was neither normal nor lognormal and where there were less than 50% detects, the maximum concentration detected was used in place of the 95% UTL. For inorganic parameters where there were no detects in the background samples, the PQLs were used in place of the 95% UTLs as the background comparison value. The 95% UTL background value for soils was used as the primary background screening criteria for inorganics.

The second statistical method to be used is either a mean comparison using the t-test, or the Wilcoxon (Mann-Whitney) Test. The use of these tests is dependent on the distribution of the data set. The t-test is to be used on data sets that have a normal distribution or that can be transformed to a normal distribution. According to the Final RFI Work Plan (USACE 1995), if the data set is not normally distributed and the t-test is not appropriate, a nonparametric method, the Wilcoxon Test, is to be used to test the difference in the background versus the data set. The flow chart from the Final RFI Work Plan (USACE 1995) used for the statistical evaluations is provided in Appendix E. Results of calculations for the 95% UTLs, means, standard deviations, and the Wilcoxon Test for FH-010 data are also presented in Appendix F.

Arsenic and mercury were detected in soil at FH-010 at concentrations greater than the 95% UTL soil background concentration or PQL. Further statistical analysis was performed for arsenic only. Due to a lack of detected values in the background data set for mercury, no further analysis was performed for this metal. The Wilcoxon Test for arsenic detected in soil at FH-010 resulted in an absolute Z value of 1.72 versus the critical Z value of 1.645 for a one-tailed test. This indicates there is a slight difference between the background soil arsenic data and FH-010 soil arsenic data. However, there is no known source for arsenic other than possible historic pesticide applications at Fort Hood. Arsenic is ubiquitous in soil and has been a widely recognized problem by both TNRCC and EPA. Detection might rather be a random occurrence rather than a true indication of in-place contamination.

5.0 SCREENING ANALYSIS

The TNRCC has promulgated Risk Reduction Standards (30 TAC 335, Subchapter S) for soils and groundwater for residential and industrial land uses. Risk Reduction Standards (RRSs) Number 1 are defined as background concentrations or analytical PQL values, whichever are greater. RRSs Number 2 are health-based standards and criteria that are deemed protective of human health or the environment. The TNRCC RRSs have been used to screen the data generated at FH-010 to determine whether or not constituents are present at the site at concentrations which may warrant further investigation.

The TNRCC RRSs Number 1 are used to determine if there are hazardous constituents at a SWMU that could result from a potential release. Soil sample results were compared to the 95% UTL background concentration levels or PQLs. Background soil levels were determined for eight metals and the results are presented in Table 4.4. Metals detected above background levels and organic constituents above PQLs are considered to be a potential release from the unit. Organic constituents in soils reported above the analytical PQL were then screened against the TNRCC RRSs Number 2 (30 TAC 35 Industrial Soil GWP). Appendix G provides a tabulation of detected results and the screening criteria used for comparison. Tables 5.1 and 5.2 show analytes detected above screening criteria in soil and groundwater, respectively. No TNRCC RRS Number 2 screening values are available for phenanthrene, therefore, anthracene was identified and used as a surrogate compound for obtaining screening values.

5.1 SURFACE SOIL SCREENING

All inorganic and organic constituents detected above screening criteria in surface soils at FH-010 were from locations within the landfill boundary. The results presented in Table 4.2 and discussed in Section 4.2.1 were screened against TNRCC RRSs Number 1 and Number 2. Mercury, acetone, and toluene were detected in surface soils above the RRSs Number 1 (95% UTLs or PQLs) within the landfill boundary. Comparison of these results to the RRSs Number 2 for mercury, acetone, and toluene for the soil to groundwater cross-media protection pathway for these parameters indicated the RRS values were not exceeded. Therefore, for surface soils no inorganic or organic parameters present a risk to humans or the environment.

5.2 SUBSURFACE SOIL SCREENING

Arsenic, cadmium, lead, and mercury were the inorganic constituents detected in subsurface soils at concentrations above the 95% UTL background concentrations (PQL for mercury). Arsenic was detected at PZ101 and at two depths at SB106 with concentrations ranging from 11.4 ppm to 13.3 ppm which are slightly above the background criteria of 9.2 ppm. Cadmium and lead were detected at SB107 at concentrations above the background soil screening criteria in subsurface soils from samples collected at FH-010. Mercury at a concentration of 0.07 ppm did not exceed the RRS Number 2 criteria. Metals are elements which are ubiquitous in soils, and it is recognized there is an inherent heterogeneity of metals concentrations in soils resulting in highly variable analytical results. It appears such is the case for the detection of arsenic, lead, and cadmium in the subsurface soils. Based on professional judgement and the magnitude and the frequency of the lead and cadmium detections, it was determined the one sample location with elevated concentrations was not indicative of a release to the environment. Arsenic at the concentrations found at FH-010 poses no risk because there is no known source for arsenic other than possible historic pesticide applications at Fort Hood. Arsenic is ubiquitous in soil and has been a widely recognized problem by both TNRCC and EPA. In recognition of this problem the TNRCC has in the past proposed and supported an arsenic soil clean-up level of 20 mg/kg that is well above the concentrations found in FH-010 subsurface soils.

Organic constituents were present at FH-010 that exceeded the RRSs Number 1 (PQLs) values and included both VOCs and SVOCs. The VOCs detected above PQLs in subsurface soils in the FH-010 samples include: acetone, chlorobenzene, isopropyl benzene, n-butylbenzene, n-propylbenzene, sec-butylbenzene, tert-butylbenzene, methylene chloride, trichloroethene, and toluene. The SVOCs included 1,4-dichlorobenzene, 2-methylnaphthalene, bis(2-ethylhexyl)phthalate, di-n-butylphthalate, n-nitrosodiphenylamine, naphthalene, phenanthrene. The VOCs and SVOCs were further screened against RRSs Number 2 values developed by the TNRCC or a surrogate value as in the case of phenanthrene where anthracene was used as surrogate compound for screening criteria. This screening resulted in bis(2-ethylhexyl)phthalate, a common laboratory contaminant detected at a concentration of 2.6 ppm as the only compound which slightly exceeded the RRS Number 2 value of 2.04 ppm. Based on best professional judgement, no risk is posed by this compound because as a common laboratory contaminant the result is an anomaly.

The low frequency and concentration of detected compounds such as lead, cadmium, and bis(2-ethylhexyl)phthalate; the ubiquitous nature of metals in soils; the TNRCC proposed arsenic clean-up level of 20 mg/kg; and the inherent heterogeneity of concentrations in soils resulting in highly variable analytical results lead to the conclusion that the organic or inorganic contaminants detected above the RRS Number 2 screening criteria in subsurface soils pose no risk to human or environmental health. No organic or inorganic compounds were detected beyond the boundaries of the landfill. Complete results of the subsurface soil screening analysis are presented in Table 5.1 and in Appendix G.

5.3 GROUNDWATER SCREENING

Inorganic and organic constituents were detected at concentrations above the corresponding maximum contaminant levels (MCLs) or RRSs in groundwater at FH-010. Cadmium, lead, and vinyl chloride were detected above TNRCC RRSs Number 1 and 2 values in groundwater at FH-010. No organic or inorganic contaminants were detected above the RRS Number 2 screening criteria in groundwater collected beyond the boundaries of the landfill. Based on professional judgement and the magnitude and the frequency of the lead and cadmium detected concentrations, it was determined the one sample location (SB 107) with elevated concentrations was not indicative of a release to the environment. Results of the groundwater screening analysis are presented in Table 5.2 and in Appendix G.

6.0 INVESTIGATION ANALYSIS

6.1 DATA QUALITY ASSURANCE/QUALITY CONTROL

The Fort Hood RFI Work Plan, the contract laboratory's Quality Assurance Plan, and U.S. Environmental Protection Agency (USEPA) SW-846 or other approved procedures for analytical chemistry and physical testing methods were followed for field and laboratory QA/QC of FH-010 samples. According to the Work Plan, QA and QC samples were to be collected at a frequency of ten percent and analyzed along with the environmental samples. Field QC samples for FH-010 included trip blanks and equipment rinsate blanks. Quality control analyses such as matrix spikes, blanks, and laboratory control samples were conducted by the contract laboratory as an internal control measure of the accuracy and precision of the data. Quality assurance sample analyses were performed by the Army Corps of Engineers' Southwest District Laboratory as an external control measure of the accuracy and precision of the contract laboratory's results and of sampling procedures. The QA/QC and corresponding field sample results are reviewed by Army Corps of Engineers quality assurance personnel, who then issue a Chemical Quality Assurance Report (CQAR).

Laboratory QC procedures as prescribed by each analytical method were followed by the contract laboratory and included where applicable: gas chromatography/mass spectrometry (GC/MS) tuning, initial and continuing calibrations, method/extraction blanks, laboratory control samples (LCS), surrogate spikes, internal and external standards, duplicates, matrix spikes/matrix spike duplicates (MS/MSDs), inductively coupled plasma (ICP) and atomic absorption (AA) related QC procedures/samples, and spiked sample clean-up results.

The CQAR addressed concerns with the FH-010 data. Concerns included missing internal QC data (mainly MS/MSD results), two trip blanks that arrived at the laboratory with bubbles larger than 6mm, and one trip blank that arrived at the laboratory frozen. Other concerns were the potential for data to be biased (high or low) and the potential for false positives or negatives based on matrix spike and laboratory control spike deviations from QC criteria for a number of analytical parameters. The comparison of the field sample, QC, and QA split sample results agreed for most analytes except for the following constituents in some cases: acetone, arsenic, barium, cadmium, chromium and lead. The deviations did not lead to rejection or qualification of the data. Based on the CQAR findings, the data are usable and have met the project data quality objectives (DQOs).

Data QA/QC procedures included an independent data validation of ten percent of the results for compliance of analyses to DQOs. All FH-010 data that were reviewed for data validation met project DQOs and are usable data as qualified, with the exception of selenium results for 10 background soil samples (2 surface and 8 subsurface). The selenium results were rejected due to unacceptable matrix spike recoveries and were excluded from background calculations. The rejected background data had no impact on the FH-010 results.

6.2 INVESTIGATION RESULTS

The quality of the data set for soil and groundwater samples collected at FH-010 meets the objectives of the RFI as described in Section 1.2 of this report. All samples were analyzed according to the Final RFI Work Plan (USACE 1995) and approved Work Plan Modifications (approval letter from the TNRCC dated April 21, 1998). Twenty-five soil samples were collected from eleven soil boring and piezometer locations. A total of ten groundwater samples were collected at FH-010. Four of the groundwater samples were collected from the soil boring and piezometer locations and six additional samples were collected from CPT locations for vinyl chloride analysis only. The number and location of the samples were adequate to provide information regarding the presence/absence of contamination; the characterization of the vertical and lateral extent of potential contamination; and the boundaries of the suspected disposal area. A review of the boring logs indicate the landfill is on top of bedrock and visual observations of the site delineate the physical boundary of

the landfill. The geophysical survey was used to identify saturated zones near SB102 and SB107 for CPT sampling of groundwater to determine the presence and extent of potential vinyl chloride contamination within the landfill boundary. The geophysical survey and the resultant three-dimensional model of the saturated zones indicate the groundwater that was collected during the FH-010 RFI was from perched water zones and not from a groundwater aquifer.

Based on the results of visual inspection and soil analyses no releases or contamination have migrated outside of the landfill. Soil and water sample results, including visual inspection of landfill debris, indicate that the FH-010 landfill contains nothing other than typical sanitary landfill material found in landfills closed prior to 1972. The parameters detected in samples collected at FH-010 can come from debris found in municipal solid waste landfills. Although the exact source of these constituents is not known, potential sources are items found in the landfill including asphalt, bricks, plastics, wood and breakdown products of these items.

Results of FH-010 surface and subsurface soil analyses of samples collected inside of the landfill indicated the presence of arsenic, cadmium, lead, and bis(2-ethylhexyl)phthalate at concentrations that exceeded the RRS Number 2 values (Sections 5.1 and 5.2). These constituents were all detected from locations inside of the landfill and posed no risk to human or environmental health. No constituents were detected above the RRS values in samples collected outside of the landfill at PZ103 or near the boundary such as at PZ104 and SB101 locations. This information indicates that there has been no migration of these constituents from the landfill.

Groundwater collected within the landfill was from perched water zones as confirmed by the geophysical survey results rather than from a groundwater aquifer. Within the boundary of the FH-010 landfill, cadmium, lead, and vinyl chloride were detected above screening criteria in water samples. These parameters were not detected in the water samples collected outside of the FH-010 landfill at PZ103 or near the boundary of the landfill at PZ104. This information indicates that there has been no migration of these constituents that could pose a potential risk to humans and the environment from the landfill. No constituents were detected above the RRS values in samples collected outside of the landfill at PZ103, or near the boundary of the landfill at PZ104 and SB101.

Therefore, with respect to these investigation results, FH-010 landfill is determined to have typical sanitary landfill materials with no occurrence of migration of contamination from the landfill. The potential for migration of constituents detected above background and/or screening criteria in soil and groundwater within the FH-010 landfill can be considered low because these constituents were detected at relatively low and infrequent concentrations in soil and groundwater at FH-010. Groundwater was not noted in all of the soil borings in the vicinity, and based upon the geophysical survey and modeling results, the groundwater that was observed is believed to be an isolated perched zone, not a continuous aquifer. The potential for migration of water identified within the boundary of the landfill is quite low due to the predominantly silty clay lithology at FH-010 that inhibits the mobility of any contamination. Additionally, bedrock underlies the landfill and limits potential migration from the landfill. Section 7 discusses conclusions and recommendations for the FH-010 landfill.

7.0 CONCLUSIONS AND RECOMMENDATIONS

The previous sections have discussed the results of the analyses of samples collected inside and outside the FH-010 landfill. In Section 6.2, a discussion of results indicates that contamination has not migrated from the landfill and that the landfill contains typical sanitary landfill materials. Constituents detected above PQLs and RRSs Number 2 within the landfill are typical of the landfill debris common to landfills constructed and used prior to 1972. The concentrations of detected constituents (arsenic, cadmium, lead, bis(2-ethylhexyl)phthalate, and vinyl chloride) pose no current or future threat to human health and the environment, and there has been no evidence identified which indicates constituents found within the boundary of the landfill have migrated outside of the landfill. Therefore, no releases have occurred from the landfill, and the landfill is operating as intended requiring no further action.

The boring logs show the base of the landfill rests on bedrock. Based on the information in this RFI, the water samples collected from inside the landfill are from perched water zones potentially formed by the temporary ponding and subsequent infiltration of precipitation rather than from a groundwater aquifer. Settling of the landfill surface may have occurred in some areas and caused ponding of water on the surface of the landfill. It is recommended that Fort Hood maintain the FH-010 landfill to ensure that the integrity of the unit is not compromised and the conditions do not change at the unit that may cause a threat to human health or the environment. Even though there is no risk outside of the unit or potential for migration from the unit, Fort Hood may plan additional voluntary clean-up action at this site as a preventative measure. The unit is operating as intended, and no mandatory further action is necessary.

8.0 REFERENCES

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TABLES

FH-010

Table 4.1 FH-010 Sample Identification and Analyses

Station	Sample ID	Matrix	Depth (ft)	Date Collected
PZ101	10SB117	Subsurface Soil	20.0-21.0	05/12/1998
PZ102	10SB118	Subsurface Soil	17.0-18.5	05/13/1998
PZ103	10PZ101	Groundwater	---	06/02/1998
	10SB119	Subsurface Soil	20.0-20.5	05/13/1998
PZ104	10PZ102	Groundwater	---	06/02/1998
	10SB120	Subsurface Soil	15.0-15.5	05/19/1998
SB101	10SB101	Surface Soil	0.0-0.5	12/16/1996
	10SB102	Subsurface Soil	16.5-17.0	12/16/1996
	10SB103	Subsurface Soil	25.5-26.0	12/16/1996
SB102	10SB115	Surface Soil	0.0-1.0	12/18/1996
	FHW101	Groundwater	---	12/19/1996
SB103	10SB112	Surface Soil	0.0-1.0	12/18/1996
	10SB113	Subsurface Soil	15.5-16.0	12/18/1996
	10SB114	Subsurface Soil	25.0-25.5	12/18/1996
SB104	10SB110	Surface Soil	0.0-1.0	12/18/1996
	10SB111	Subsurface Soil	25.0-25.5	12/18/1996
SB105	10SB107	Surface Soil	0.0-1.0	12/17/1996
	10SB108	Subsurface Soil	16.0-17.0	12/17/1996
	10SB109	Subsurface Soil	27.0-28.0	12/17/1996
SB106	10SB104	Surface Soil	0.0-0.5	12/16/1996
	10SB105	Subsurface Soil	15.5-16.0	12/16/1996
	10SB106	Subsurface Soil	25.0-25.5	12/16/1996
SB107	10GW101	Groundwater	---	10/30/1998
	10SB121	Surface Soil	0.0-2.0	10/30/1998
	10SB122	Subsurface Soil	2.0-4.0	10/30/1998
	10SB123	Subsurface Soil	4.0-6.0	10/30/1998
	10SB124	Subsurface Soil	6.0-8.0	10/30/1998
	10SB125	Subsurface Soil	8.0-12.0	10/30/1998
	10SB126	Subsurface Soil	12.0-14.2	10/30/1998
CPT-101	CPT-101	Groundwater	---	9/14/99
CPT-103	CPT-103	Groundwater	---	9/14/99
CPT-104	CPT-104	Groundwater	---	9/14/99
CPT-108	CPT-108	Groundwater	---	9/15/99
CPT-109	CPT-109	Groundwater	---	9/15/99
CPT-118	CPT-118	Groundwater	---	9/16/99

Notes:

1. Groundwater was collected when encountered during installation of soil borings.
2. All samples were analyzed for VOCs, SVOCs, and metals.

Table 4.2 FH-010 Analytes Detected in Soil Above Practical Quantitation Limits (PQLs)

Location	Sample ID	Depth	Analysis Type	Parameter	Result	PQL	Units
PZ101	10SB117	20.0-21.0	Metals	Arsenic	12.1	0.18	mg/kg
				Barium	3.8	0.13	mg/kg
				Chromium	2.8	0.08	mg/kg
				Lead	4.5	0.14	mg/kg
				Selenium	0.26 J	0.23	mg/kg
			Volatile Organics	Acetone	6	5	ug/kg
PZ102	10SB118	17.0-18.5	Metals	Arsenic	6.4	0.19	mg/kg
				Barium	3.3	0.14	mg/kg
				Chromium	1.9	0.08	mg/kg
				Lead	4.6	0.15	mg/kg
				Selenium	0.25 J	0.24	mg/kg
			Volatile Organics	n-Butylbenzene	6	5	ug/kg
PZ103	10SB119	20.0-20.5	Metals	Arsenic	2.7	0.18	mg/kg
				Barium	5.1	0.13	mg/kg
				Chromium	2.8	0.08	mg/kg
				Lead	2.8	0.14	mg/kg
PZ104	10SB120	15.0-15.5	Metals	Arsenic	4.5	0.19	mg/kg
				Barium	3.9	0.14	mg/kg
				Chromium	2.5	0.08	mg/kg

Table 4.2 FH-010 Analytes Detected in Soil Above Practical Quantitation Limits (PQLs)

Location	Sample ID	Depth	Analysis Type	Parameter	Result	PQL	Units
PZ104	10SB120	15.0-15.5	Metals	Lead	3.7	0.15	mg/kg
			Volatile Organics	Acetone	9	5	ug/kg
				Methylene Chloride	12	5	ug/kg
SB101	10SB101	0.0-0.5	Metals	Arsenic	4.9	0.38	mg/kg
				Barium	39.9	0.09	mg/kg
				Cadmium	0.13 B	0.05	mg/kg
				Chromium	6.6	0.09	mg/kg
				Lead	7.2	0.16	mg/kg
	10SB102	16.5-17.0	Metals	Arsenic	7.3	0.43	mg/kg
				Barium	23.4	0.10	mg/kg
				Cadmium	0.06 B	0.05	mg/kg
				Chromium	4.7	0.10	mg/kg
				Lead	6.4	0.18	mg/kg
	10SB103	25.5-26.0	Metals	Arsenic	5.9	0.35	mg/kg
				Barium	2.3	0.09	mg/kg
				Chromium	1.5	0.09	mg/kg
				Lead	3.5	0.15	mg/kg
			Volatile Organics	Toluene	32	5	ug/kg
SB102	10SB115	0.0-1.0	Metals	Arsenic	4.9	0.39	mg/kg
				Barium	35.9	0.10	mg/kg

Table 4.2 FH-010 Analytes Detected in Soil Above Practical Quantitation Limits (PQLs)

Location	Sample ID	Depth	Analysis Type	Parameter	Result	PQL	Units
SB102	10SB115	0.0-1.0	Metals	Cadmium	0.12 B	0.05	mg/kg
				Chromium	7	0.10	mg/kg
				Lead	6.9	0.17	mg/kg
SB103	10SB112	0.0-1.0	Metals	Arsenic	4.3	0.38	mg/kg
				Barium	26.5	0.09	mg/kg
				Cadmium	0.09 B	0.05	mg/kg
				Chromium	6	0.09	mg/kg
				Lead	5.6	0.16	mg/kg
	10SB113	15.5-16.0	Metals	Arsenic	3.7	0.38	mg/kg
				Barium	7.2	0.09	mg/kg
				Chromium	4.8	0.09	mg/kg
				Lead	6.6	0.16	mg/kg
	10SB114	25.0-25.5	Metals	Arsenic	4.5	0.35	mg/kg
				Barium	1.9	0.09	mg/kg
				Chromium	1.5	0.09	mg/kg
				Lead	2.6	0.15	mg/kg
			Volatile Organics	Acetone	420	27	ug/kg
				Toluene	15	5	ug/kg
				Trichloroethene	11	5	ug/kg
SB104	10SB110	0.0-1.0	Metals	Arsenic	5.5	0.42	mg/kg
				Barium	51.3	0.10	mg/kg

Table 4.2 FH-010 Analytes Detected in Soil Above Practical Quantitation Limits (PQLs)

Location	Sample ID	Depth	Analysis Type	Parameter	Result	PQL	Units		
SB104	10SB110	0.0-1.0	Metals	Cadmium	0.58 B	0.05	mg/kg		
				Chromium	10.2	0.10	mg/kg		
				Lead	13.9	0.18	mg/kg		
	10SB111	25.0-25.5	Metals	Arsenic	4.6	0.36	mg/kg		
				Barium	2.3	0.09	mg/kg		
				Chromium	2	0.09	mg/kg		
				Lead	2.9	0.15	mg/kg		
			Volatile Organics	Trichloroethene	8	5	ug/kg		
	SB105	10SB107	0.0-1.0	Metals	Arsenic	3.4	0.40	mg/kg	
Barium					23.5	0.10	mg/kg		
Cadmium					0.07 B	0.05	mg/kg		
Chromium					6.6	0.10	mg/kg		
Lead					3.5	0.17	mg/kg		
Volatile Organics				Acetone	140	6	ug/kg		
				Toluene	7	6	ug/kg		
10SB108		16.0-17.0	Metals	Arsenic	1.9	0.34	mg/kg		
				Barium	1.8	0.08	mg/kg		
				Chromium	1.1	0.08	mg/kg		
				Lead	2	0.15	mg/kg		
10SB109		27.0-28.0	Metals	Arsenic	4.2	0.35	mg/kg		
				Barium	2	0.09	mg/kg		

Table 4.2 FH-010 Analytes Detected in Soil Above Practical Quantitation Limits (PQLs)

Location	Sample ID	Depth	Analysis Type	Parameter	Result	PQL	Units
SB105	10SB109	27.0-28.0	Metals	Chromium	1.4	0.09	mg/kg
				Lead	3.1	0.15	mg/kg
			Volatile Organics	Toluene	26	5	ug/kg
SB106	10SB104	0.0-0.5	Metals	Arsenic	3.9	0.40	mg/kg
				Barium	55.3	0.10	mg/kg
				Cadmium	0.14 B	0.05	mg/kg
				Chromium	7.1	0.10	mg/kg
				Lead	7.5	0.17	mg/kg
			Volatile Organics	Toluene	10	6	ug/kg
	10SB105	15.5-16.0	Metals	Arsenic	13.3	0.37	mg/kg
				Barium	7.7	0.09	mg/kg
				Cadmium	0.15 B	0.04	mg/kg
				Chromium	5.6	0.09	mg/kg
				Lead	14.4	0.15	mg/kg
	10SB106	25.0-25.5	Metals	Arsenic	11.4	0.35	mg/kg
				Barium	5.6	0.09	mg/kg
				Cadmium	0.08 B	0.04	mg/kg
				Chromium	3	0.09	mg/kg
				Lead	5.4	0.15	mg/kg
			Volatile Organics	Acetone	17	5	ug/kg

Table 4.2 FH-010 Analytes Detected in Soil Above Practical Quantitation Limits (PQLs)

Location	Sample ID	Depth	Analysis Type	Parameter	Result	PQL	Units
SB107	10SB121	0.0-2.0	Metals	Arsenic	5.4	0.20	mg/kg
				Barium	30.2	0.15	mg/kg
				Cadmium	0.1 B	0.03	mg/kg
				Chromium	6.8	0.09	mg/kg
				Lead	7.9	0.16	mg/kg
				Mercury	0.05	0.04	mg/kg
	10SB122	2.0-4.0	Metals	Arsenic	4.8	0.20	mg/kg
				Barium	20.2	0.14	mg/kg
				Cadmium	0.1 B	0.03	mg/kg
				Chromium	4.0	0.09	mg/kg
				Lead	2.3	0.15	mg/kg
	10SB123	4.0-6.0	Metals	Arsenic	3.8	0.21	mg/kg
				Barium	37.0	0.15	mg/kg
				Cadmium	0.09 B	0.04	mg/kg
				Chromium	4.9	0.09	mg/kg
				Lead	3.6	0.16	mg/kg
	10SB124	6.0-8.0	Metals	Arsenic	3.7	0.20	mg/kg
				Barium	53.3	0.14	mg/kg
				Cadmium	0.08 B	0.03	mg/kg
				Chromium	5.6	0.09	mg/kg
				Lead	5.5	0.15	mg/kg
	10SB125	8.0-12.0	Metals	Arsenic	3.1	0.22	mg/kg
				Barium	33.8	0.16	mg/kg

Table 4.2 FH-010 Analytes Detected in Soil Above Practical Quantitation Limits (PQLs)

Location	Sample ID	Depth	Analysis Type	Parameter	Result	PQL	Units
SB107	10SB125	8.0-12.0	Metals	Chromium	5.6	0.10	mg/kg
				Lead	5.8	0.17	mg/kg
	10SB126	12.0-14.2	Metals	Arsenic	7.5	0.22	mg/kg
				Barium	50.0	0.16	mg/kg
				Cadmium	2.2	0.04	mg/kg
				Chromium	11.5	0.10	mg/kg
				Lead	99.7	0.17	mg/kg
				Mercury	0.07	0.04	mg/kg
			Semi-Volatile Organics	1,4-Dichlorobenzene	880	390	ug/kg
				2-Methylnaphthalene	590	390	ug/kg
				Bis(2-ethylhexyl)phthalate	2600	390	ug/kg
				Di-n-butyl Phthalate	940	390	ug/kg
				N-Nitrosodiphenylamine	1000	390	ug/kg
				Naphthalene	2400	390	ug/kg
				Phenanthrene	680	390	ug/kg
			Volatile Organics	Chlorobenzene	180	6	ug/kg
				Isopropyl Benzene	86	6	ug/kg
				n-Butylbenzene	1400 D	780	ug/kg
				n-propylbenzene	210	6	ug/kg
				sec-Butylbenzene	1100 D	780	ug/kg
				tert-Butylbenzene	17	6	ug/kg

J - Indicates estimated value

B (Inorganics) - Value was less then the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).

D - Diluted sample analysis

Table 4.3 FH-010 Analytes Detected in Groundwater Above Practical Quantitation Limits (PQLs)

Location	Sample ID	Depth	Analysis Type	Parameter	Result	PQL	Units
CPT101	10CPT101	--	Volatile Organics	Vinyl Chloride	19	1	ug/l
CPT104	10CPT104	--	Volatile Organics	Vinyl Chloride	1.3	1	ug/l
CPT118	10CPT118	--	Volatile Organics	Vinyl Chloride	4.4	1	ug/l
PZ103	10PZ101	--	Metals	Barium	148	0.6	ug/l
				Chromium	5.7	0.7	ug/l
			Volatile Organics	Chlorobenzene	6	5	ug/l
PZ104	10PZ102	--	Metals	Barium	76.9	0.6	ug/l
				Lead	1.6	1.5	ug/l
SB102	FHGW101	--	Metals	Arsenic	21.5	2.5	ug/l
				Barium	254	0.3	ug/l
			Semi-Volatile Organics	1,4-Dichlorobenzene	27	10	ug/l
				N-Nitrosodiphenylamine	15	10	ug/l
				Naphthalene	50	10	ug/l

Table 4.3 FH-010 Analytes Detected in Groundwater Above Practical Quantitation Limits (PQLs)

Location	Sample ID	Depth	Analysis Type	Parameter	Result	PQL	Units
SB102	FHGW101	--	Volatile Organics	1,2,4-trimethylbenzene	49	5	ug/l
				1,3,5-trimethylbenzene	7	5	ug/l
				1,4-Dichlorobenzene	39	5	ug/l
				Chlorobenzene	79	5	ug/l
				Ethylbenzene	32	5	ug/l
				Isopropyl Benzene	6	5	ug/l
				m,p-Xylene	75	5	ug/l
				n-propylbenzene	9	5	ug/l
				Naphthalene	78	5	ug/l
				o-Xylene	13	5	ug/l
				Vinyl Chloride	20	5	ug/l
SB107	10GW101	--	Metals	Arsenic	23.4	2.9	ug/l
				Barium	506	0.6	ug/l
				Cadmium	7.6	0.3	ug/l
				Chromium	39.2	0.7	ug/l
				Lead	248 N*	1.5	ug/l
				Mercury	0.47 N	0.1	ug/l
			Volatile Organics	1,4-Dichlorobenzene	25	5	ug/l
				Chlorobenzene	84	5	ug/l
				n-propylbenzene	7	5	ug/l
				Naphthalene	59	5	ug/l
				Vinyl Chloride	26	5	ug/l

N - Indicates estimated value

* - Duplicate analysis not within control limits.

Table 4.4**Statistical Analysis of 95% UTL Concentrations Background Soils**

Analyte (units)	Mean	95% UTL	Maximum Detect	Results > PQL	Distribution
Arsenic (mg/kg)	4.3500	9.19	11.6	43/43	N
Barium (mg/kg)	30.19	157.3	155.0	43/43	L
Cadmium (mg/kg)	0.15	0.67	0.79	36/44	L
Chromium (mg/kg)	7.32	24.88	23.6	44/44	L
Lead (mg/kg)	5.77	19.0	33.20	44/44	L
Mercury (mg/kg)	0.0400	0.04*	0.04	1/44	D
Selenium (mg/kg)	0.345	0.44*	0.44	2/40	D
Silver (mg/kg)	0.218	**	ND	0/44	D

Results less than the detection limit were set to 1/2 the reported detection limit.

L distribution most similar to lognormal.

N distribution most similar to normal.

D distribution not determined because fewer than five detects or less than 50% detects.

* UTL -maximum detected

** the 95% UTL could not be calculated due to no detects in the background data set, therefore, the PQL will be used as the background comparison value. The PQL for silver in background samples ranges from 0.2 ppm to 0.25 ppm.

ND Not Detected

Table 5.1 FH-010 Soil Analytes Above Screening Criteria

Location	Sample ID	Depth	Parameter	Result	Units	Screening Criteria	Screening Concentration	Units
PZ101	10SB117	20.0-21.0	Arsenic	12.1	mg/kg	Soil Background	9.2	mg/kg
SB106	10SB105	15.5-16.0	Arsenic	13.3	mg/kg	Soil Background	9.2	mg/kg
	10SB106	25.0-25.5	Arsenic	11.4	mg/kg	Soil Background	9.2	mg/kg
SB107	10SB126	12.0-14.2	Bis(2-ethylhexyl)phthalate	2.6	mg/kg	30 TAC 335 Industrial Soil GWP	2.04	mg/kg
			Cadmium	2.2	mg/kg	Soil Background	0.67	mg/kg
			Lead	99.7	mg/kg	Soil Background	19	mg/kg

Table 5.2 FH-010 Groundwater Analytes Above Screening Criteria

Location	Sample ID	Depth	Parameter	Result	Units	Screening Criteria	Screening Concentration	Units
CPT101	10CPT101	--	Vinyl Chloride	0.019	mg/l	30 TAC 335 Groundwater	0.002	mg/l
CPT118	10CPT118	--	Vinyl Chloride	0.0044	mg/l	30 TAC 335 Groundwater	0.002	mg/l
SB102	FHGW101	--	Vinyl Chloride	0.02	mg/l	30 TAC 335 Groundwater	0.002	mg/l
SB107	10GW101	--	Cadmium	0.0076	mg/l	30 TAC 335 Groundwater	0.005	mg/l
			Lead	0.248 N*	mg/l	30 TAC 335 Groundwater	0.015	mg/l
			Vinyl Chloride	0.026	mg/l	30 TAC 335 Groundwater	0.002	mg/l

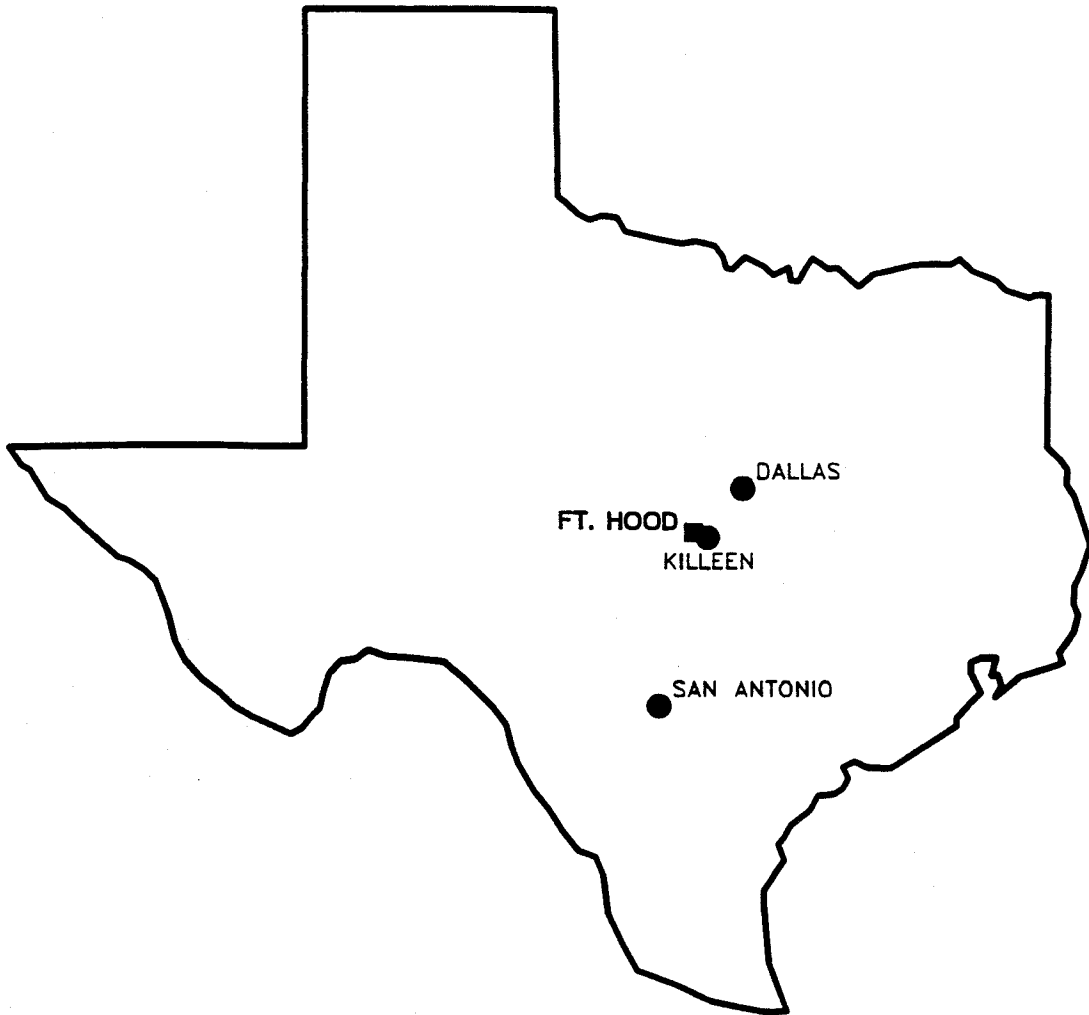
N - Indicates estimated value

* - Duplicate analysis not within control limits.

FIGURES

FH-010

NAME: S:\HOOD\FHLOCAT.DWG DATE: APR 19, 1999 TIME: 12:51 PM PCP: S:\HOOD\PCP\FRP.PCP



U.S. ARMY
FORT HOOD, TEXAS

RCRA FACILITY INVESTIGATION

FORT HOOD
VICINITY MAP



SAIC.

Science Applications
International Corporation

Columbus, Ohio

DRAWN
SC

CHECKED

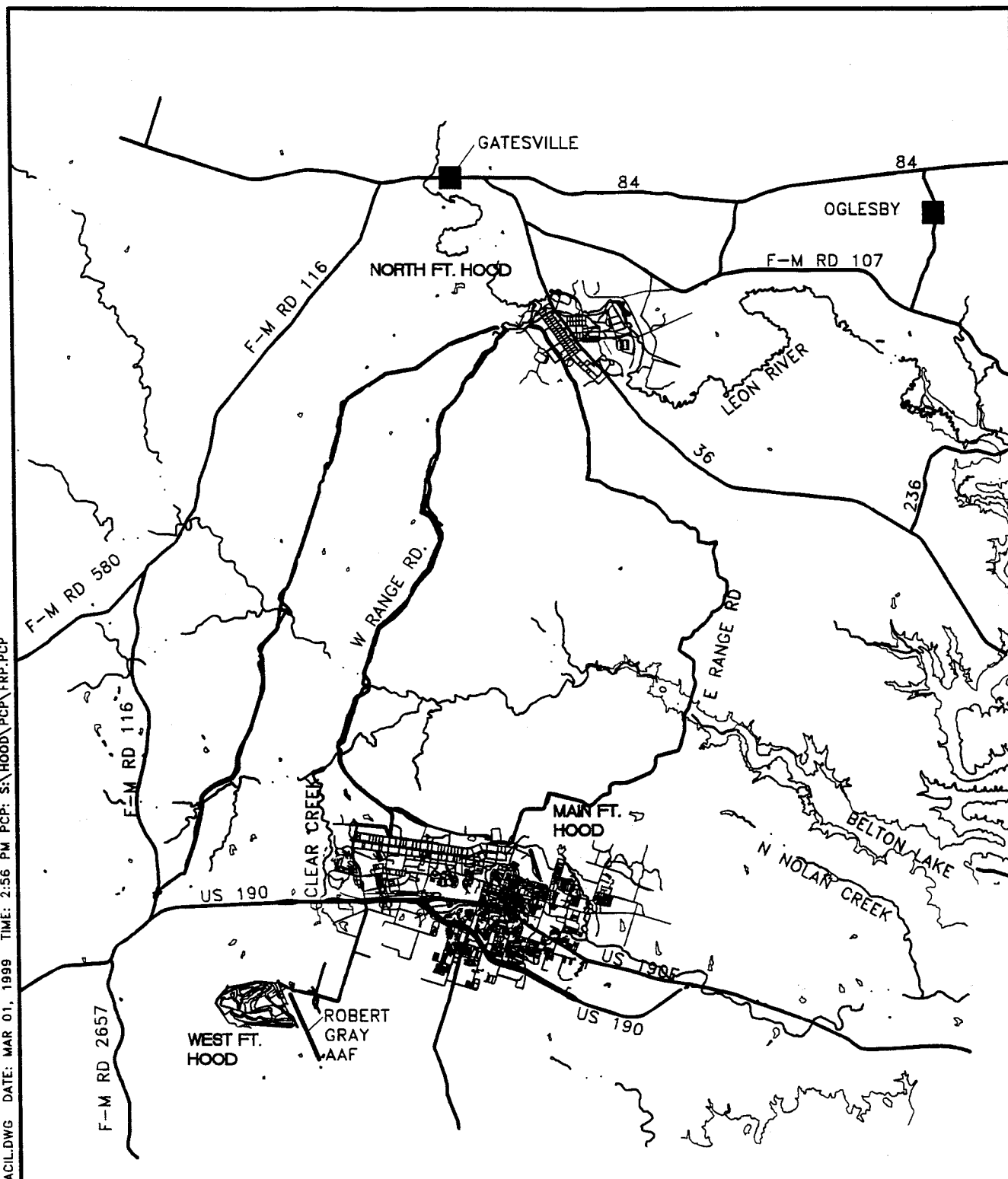
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SCALE
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PROJECT NO.

FIGURE NO.
1.1

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LEGEND

-  MAJOR ROADS
-  RIVERS/STREAMS
-  WATER BODIES

U.S. ARMY
FORT HOOD, TEXAS

RCRA FACILITY INVESTIGATION

FT. HOOD INSTALLATION MAP



Science Applications
International Corporation

Columbus, Ohio

DRAWN

CHECKED

DATE

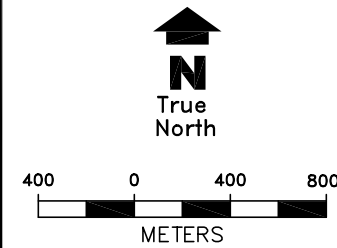
SCALE
1"=7000M

PROJECT NO.

FIGURE NO.
1.2



NAME: S:\HOOD\10TOPO99.DWG DATE: JAN 28, 1999 TIME: 5:30 PM PCP: S:\HOOD\PCP.FRP1.PCP



LEGEND

- TOPOGRAPHIC CONTOUR (FT.)
- DRAINAGE
- SURFACE DRAINAGE FLOW
- FH-010

U.S. ARMY
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RCRA FACILITY INVESTIGATION

TOPOGRAPHY AND DRAINAGE
OF MAIN FT. HOOD



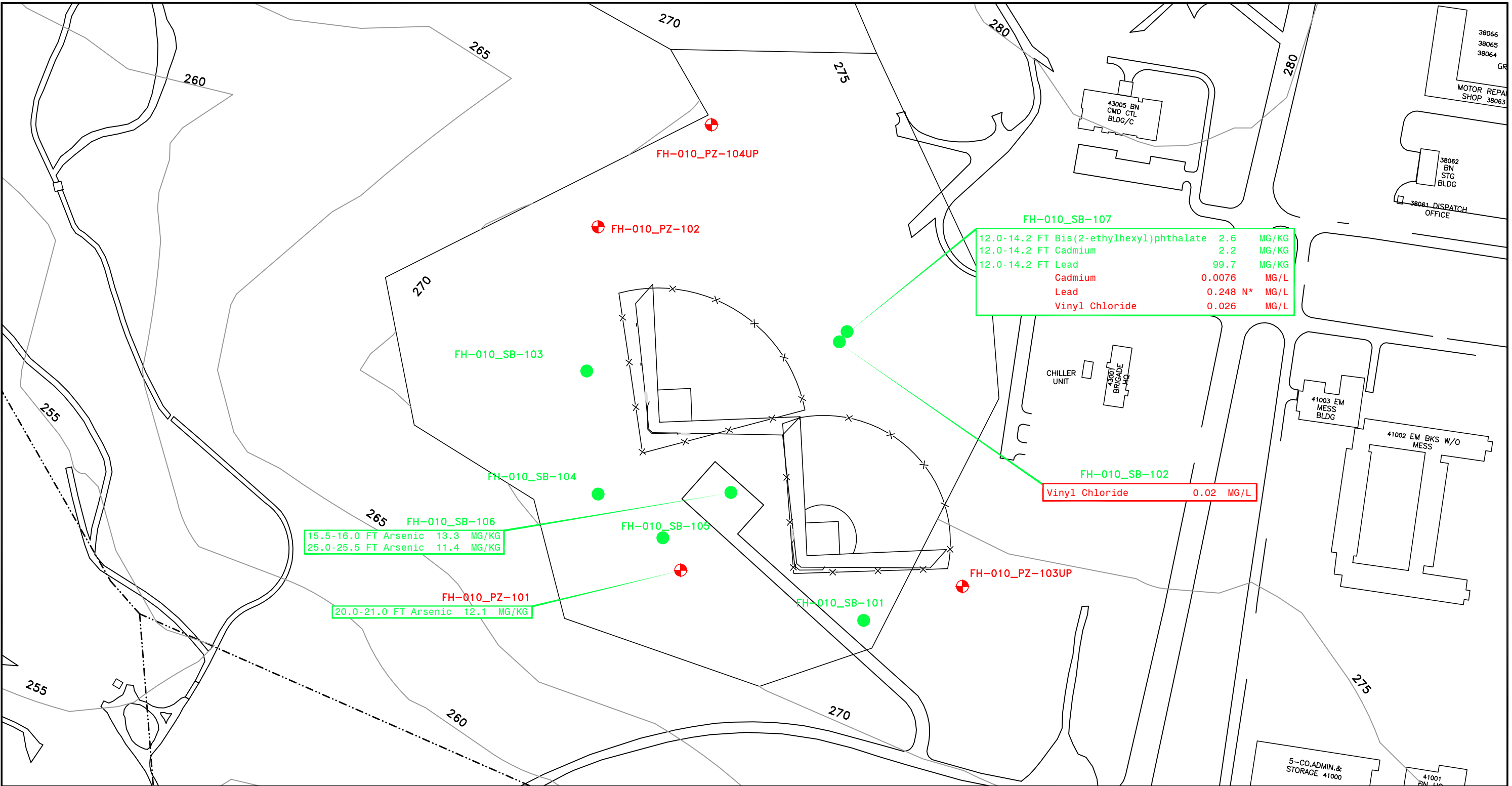
Science Applications
International Corporation
Columbus, Ohio

DRAWN	CHECKED	DATE	SCALE	PROJECT NO.	FIGURE NO.
BW			AS SHOWN		2.1

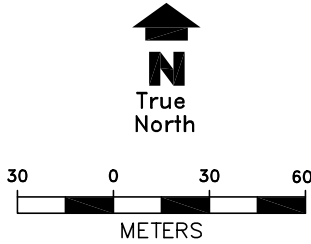


Figure 3.1 Photographs of FH-010

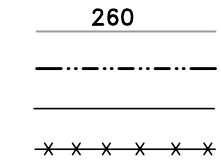
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FH-010
MAIN FT.
HOOD
LOCATION
MAP



LEGEND



Arsenic 13.3 MG/KG
Arsenic 11.4 MG/L

TOPOGRAPHIC CONTOUR (Meter)
DRAINAGE
LANDFILL BOUNDARY
BASEBALL FIELD FENCE
SOIL RESULTS
GROUNDWATER RESULTS

PIEZOMETER LOCATION
SOIL BORING
BEDROCK PIEZOMETER
UNCONSOLIDATED
PIEZOMETER

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FORT HOOD, TEXAS

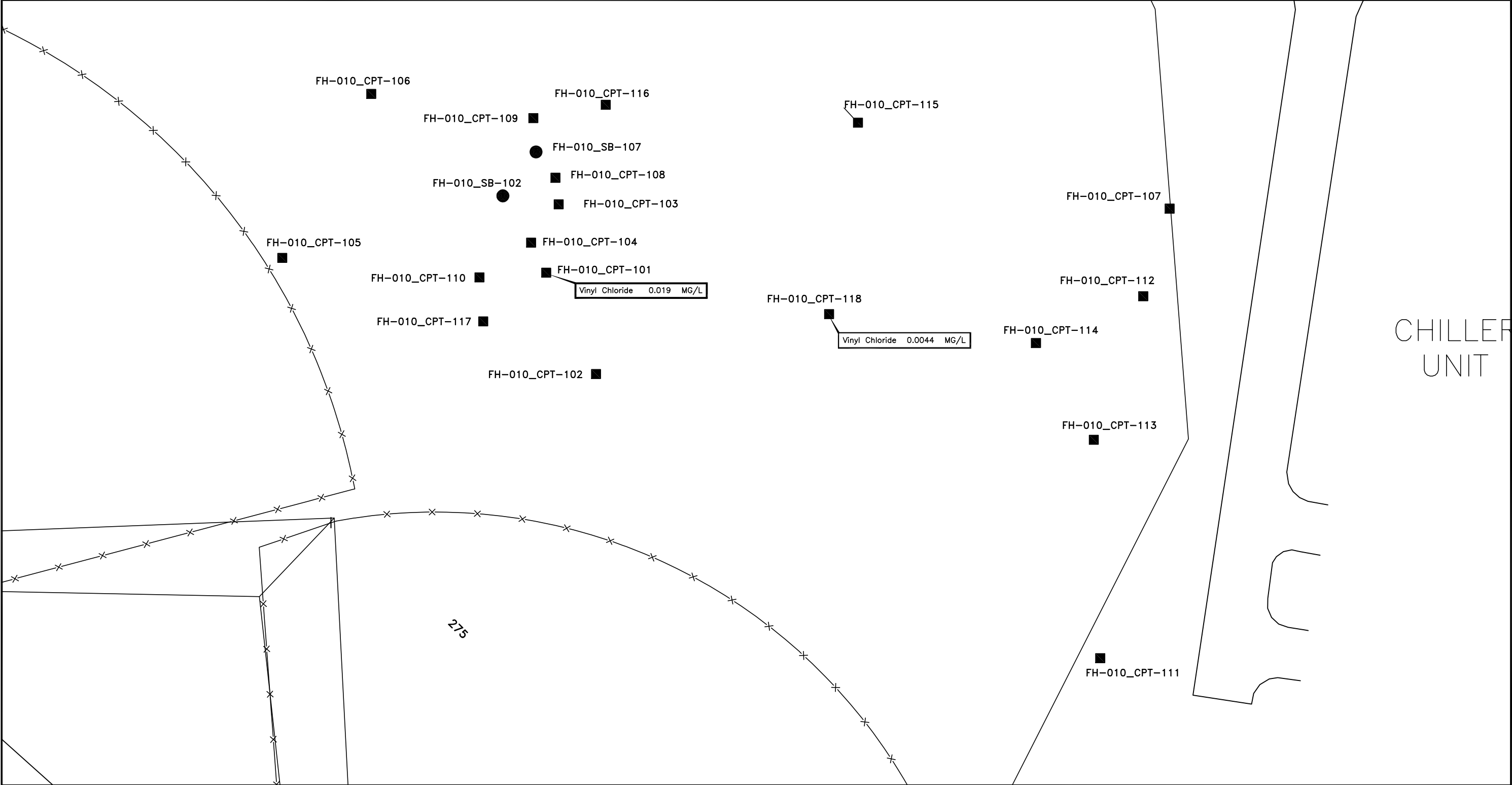
RCRA FACILITY INVESTIGATION
FH-010 Sampling Locations and Results Above
Screening Criteria

Science Applications
International Corporation Columbus, Ohio

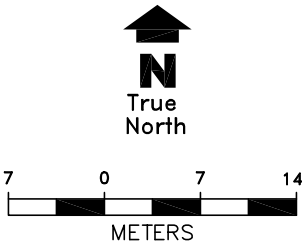
SCALE
AS SHOWN

FIGURE NO.
4.1

NAME: LAYOUT1-S\FH010\OS99CPT.DWG DATE: JUN 12, 2000 TIME: 1:15 PM CTB: S\CTB PLOTTING\FRPLCTB



FH-010
MAIN FT.
HOOD
LOCATION
MAP



LEGEND

275

TOPOGRAPHIC CONTOUR (Meter)

LANDFILL BOUNDARY

BALL FIELD FENCE

CPT ID

VINYL CHLORIDE RESULT

FH-010_CPT-111

Vinyl Chloride 0.019 MG/L

FH-010_SB-107

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RCRA FACILITY INVESTIGATION

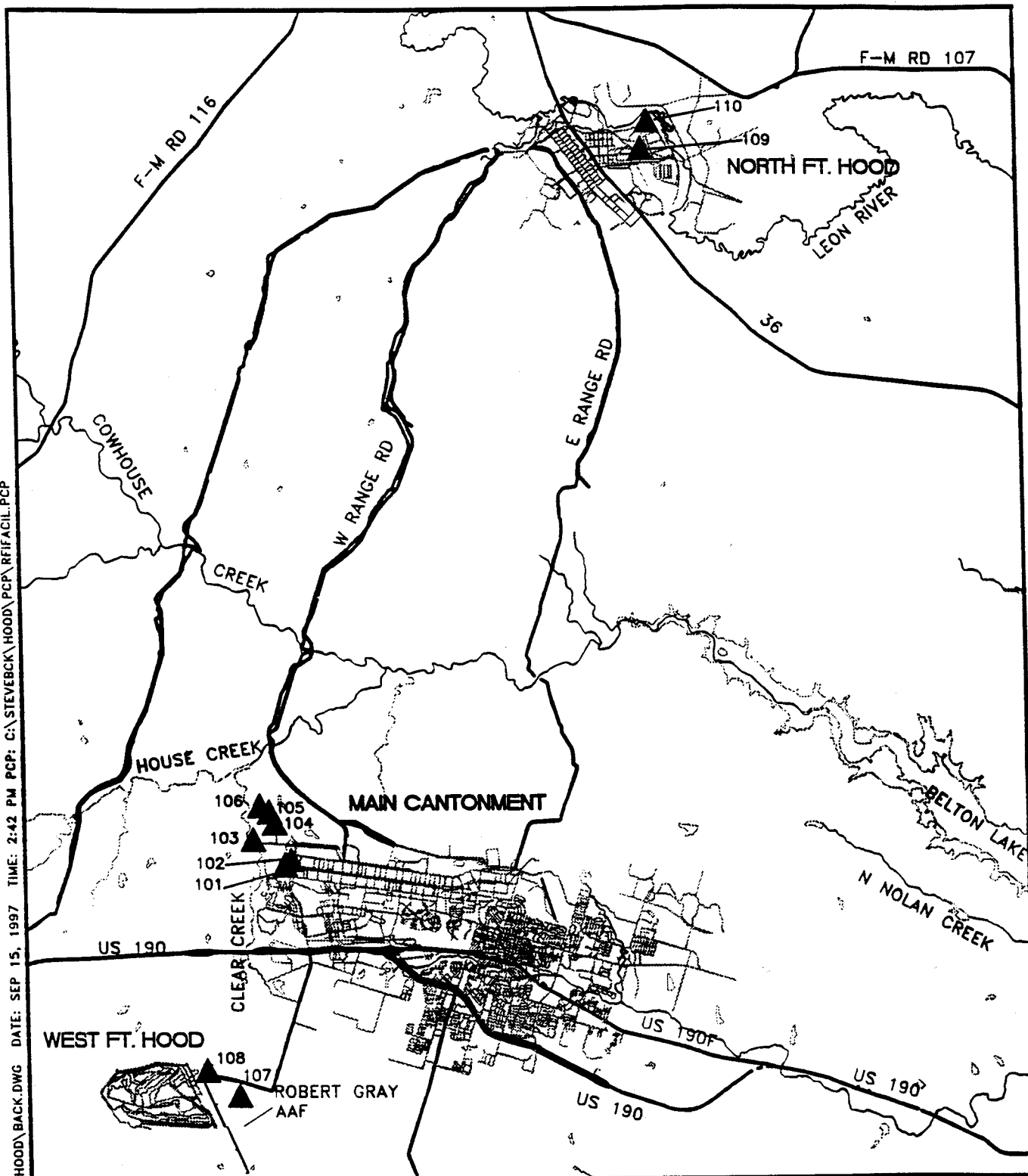
FH-010 Sample Locations and CPT Results
Above Screening Criteria

SAIC Science Applications
International Corporation Columbus, Ohio

SCALE
AS SHOWN

FIGURE NO.
4.2

NAME: C:\STEVEBCK\HOOD\BACK.DWG DATE: SEP 15, 1997 TIME: 2:42 PM PCP: C:\STEVEBCK\HOOD\PCP\REFACIL.PCP



LEGEND

- MAJOR ROADS
- RIVERS/STREAMS
- WATER BODIES
- BACKGROUND SOIL SAMPLE LOCATION

U.S. ARMY
FORT HOOD, TEXAS

RCRA FACILITY INVESTIGATION

LOCATIONS OF BACKGROUND SOIL SAMPLES

SAIC

Science Applications
International Corporation

Columbus, Ohio

DRAWN
SC

CHECKED

DATE

SCALE
1"=5000M

PROJECT NO.

FIGURE NO.
4.3



APPENDIX A

FH-010 Soil Boring Logs



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U.S. Army Corp of Engineers
Ft. Worth District
Ft. Worth, Texas

Boring FH010-SB101

(Page 1 of 1)

SWMU FH010 : Abandoned Landfill 10
Start Date : 12/16/96
End Date : 12/16/96
Northing Coord. : 3446187.26 m
Easting Coord. : 613906.52 m UTM 14 North
Total Depth of Boring : 26.0 feet

Drilling Company : Terra-Mar
Driller : Bill Christopher
Designation of Drill : Mobile Drill B-59
Type of Drill Rig : Hollow Stem Auger
Geologist : Jeff DeVaughn
Depth to Bedrock : 25.0 feet
Depth Drilled Into Rock: 1.0 feet
Borehole Diameter : 8 inches
Sampling Equipment : 4.25" Augers
 : CME Sampler 5' long

Depth in feet	Surf. Elev. 894.67ft	USCS	GRAPHIC	Water Levels	DESCRIPTION	REMARKS
0					Silty CLAY; weathered limestone fragments; dry; hard; non-plastic; 2.5Y7/4 pale yellow.	Sample 10SB101 collected 0.0-0.5' bgs.
1	894					
2	893					
3	892	CL				
4	891					
5	890					
6	889	FL			Same as above with pieces of wood, dry.	Description from soil cuttings.
7	888				CLAY; organics; damp; soft; 5Y4/2 olive gray.	
8	887					
9	886					
10	885				Same as above with wood fragments; damp.	
11	884	FL				
12	883					
13	882					
14	881				Same as above; asphalt and brick fragments at approximately 14.0' bgs; damp.	
15	880					
16	879	CL			Same as above. Weathered limestone fragments. Hard drilling.	Sample 10SB102 collected 16.5-17.0' bgs.
17	878	CL			Silty CLAY; damp; soft; moderately plastic; 10YR5/8 yellowish brown and 2.5Y5/2 grayish brown mottling.	
18	877				Silty CLAY; weathered limestone fragments and interbeds; dry; 2.5Y7/4 pale yellow.	
19	876					
20	875					
21	874	CL				
22	873					
23	872				Same as above; dry.	
24	871					
25	870					
26	869	LS			Blue-gray weathered limestone; dry.	Sample 10SB103 collected 25.5-26.0' bgs.
27	868				Bottom of Boring @ 26.0' bgs.	
28	867					Soil colors from Munsell Soil Color Chart, 1992 Revised Edition.
29	866					
30	865					



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U.S. Army Corp of Engineers
Ft. Worth District
Ft. Worth, Texas

Boring FH010-SB102

(Page 1 of 1)

SWMU FH010 : Abandoned Landfill 10
Start Date : 12/18/96
End Date : 12/18/96
Northing Coord. : 3446358.50 m
Easting Coord. : 613891.66 m UTM 14 North
Total Depth of Boring : 15.0 feet

Drilling Company : Terra-Mar
Driller : Bill Christopher
Designation of Drill : Mobile Drill B-59
Type of Drill Rig : Hollow Stem Auger
Geologist : Jeff DeVaughn
Depth to Bedrock : Not Encountered
Depth Drilled Into Rock: NA
Borehole Diameter : 8 inches
Sampling Equipment : 4.25" Augers
 : CME Sampler 5' long

Depth in feet	Surf. Elev. 901.55ft	USCS	GRAPHIC	Water Levels	DESCRIPTION	REMARKS
0					Topsoil, Upper 0.2'	Sample 10SB115 collected 0.0-0.5' bgs.
901		CL			Silty CLAY; weathered limestone fragments; dry to damp; hard; moderately plastic; 2.5Y7/6 yellow.	
1						Description from soil cuttings.
900						
2					Silty CLAY; weathered limestone fragments; dry; hard; non-plastic; 2.5Y8/4 pale yellow.	
899						
3						
898						
4						
897						
5						
896						
6		CL				
895						
7						
894						
8					Same as above; dry.	
893						
9						
892						
10						
891						
11					Silty CLAY; piece of plastic; damp; moderately plastic; 2.5Y4/2 dark grayish brown.	
890						
12		CL				
889						
13					Cuttings become saturated, water in hole.	
888						
14		CL			Silty CLAY; weathered limestone fragments; damp; highly plastic; 2.5Y5/3 light olive brown.	
887						
15					Bottom of Boring @ 15.0' bgs.	
886						Soil colors from Munsell Soil Color Chart, 1992 Revised Edition.
16						
885						
17						
884						
18						
883						
19						
882						
20						



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U.S. Army Corp of Engineers
Ft. Worth District
Ft. Worth, Texas

Boring FH010-SB103

(Page 1 of 1)

SWMU FH010 : Abandoned Landfill 10
Start Date : 12/18/96
End Date : 12/18/96
Northing Coord. : 3446341.14 m
Easting Coord. : 613735.67 m UTM 14 North
Total Depth of Boring : 25.5 feet

Drilling Company : Terra-Mar
Driller : Bill Christopher
Designation of Drill : Mobile Drill B-59
Type of Drill Rig : Hollow Stem Auger
Geologist : Jeff DeVaughn
Depth to Bedrock : 23.0 feet
Depth Drilled Into Rock: 2.5 feet
Borehole Diameter : 8 inches
Sampling Equipment : 4.25" Augers
 : CME Sampler 5' long

Depth in feet	Surf. Elev. 896.67ft	USCS	GRAPHIC	Water Levels	DESCRIPTION	REMARKS
0			X X		Topsoil, Upper 0.3'	Sample 10SB112 collected 0.0-0.5' bgs.
1	896					
2	895				Silty CLAY; weathered limestone fragments; interbeds of weathered limestone; dry; hard; non-plastic; 2.5Y8/4 pale yellow mottled with 10YR6/8 brownish yellow.	
3	894				Same as above; dry.	
4	893					
5	892					
6	891					Description from soil cuttings.
7	890				Same as above; dry.	
8	889					
9	888					
10	887					
11	886					
12	885	CL			Same as above; dry.	
13	884					
14	883					
15	882				Same as above; dry.	
16	881					Sample 10SB113 collected 15.5-16.0' bgs.
17	880					
18	879					
19	878					
20	877					
21	876				Same as above; dry.	
22	875					
23	874					
24	873	LS			LIMESTONE; weathered; dry; blue-gray.	
25	872					Sample 10SB114 collected 25.0-25.5' bgs.
26	871				Bottom of Boring @ 25.5' bgs.	
27	870					
28	869					Soil colors from Munsell Soil Color Chart, 1992 Revised Edition.
29	868					
30	867					



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Boring FH010-SB104

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SWMU FH010 : Abandoned Landfill 10
Start Date : 12/16/96
End Date : 12/18/96
Northing Coord. : 3446264.96 m
Easting Coord. : 613742.95 m UTM 14 North
Total Depth of Boring : 25.5 feet

Drilling Company : Terra-Mar
Driller : Bill Christopher
Designation of Drill : Mobile Drill B-59
Type of Drill Rig : Hollow Stem Auger
Geologist : Jeff DeVaughn
Depth to Bedrock : 25.0 feet
Depth Drilled Into Rock: 0.5 feet
Borehole Diameter : 8 inches
Sampling Equipment : 4.25" Augers
 : CME Sampler 5' long

Depth in feet	Surf. Elev. 893.55ft	USCS	GRAPHIC	Water Levels	DESCRIPTION	REMARKS
0	893	CL			Silty CLAY; damp; soft; moderately plastic; 10Y3/1 very dark gray.	Sample 10SB110 collected 0.0-0.5' bgs.
1	892				Silty CLAY; weathered tan limestone fragments and interbeds; dry; hard; non-plastic; 10YR7/6 yellow.	
2	891					
3	890				Same as above; dry.	
4	889					
5	888					
6	887					Description from soil cuttings.
7	886					
8	885					
9	884					
10	883					
11	882				Same as above; dry.	
12	881	CL				
13	880					
14	879					
15	878					No sample collected at 15.0' bgs due to rock layers (2 attempts).
16	877					
17	876					
18	875					
19	874					
20	873					
21	872					
22	871					
23	870				Same as above; dry.	
24	869					
25	868	LS			LIMESTONE; weathered; dry; blue-gray.	Sample 10SB111 collected 25.0-25.5' bgs.
26	867				Bottom of Boring @ 25.5' bgs.	
27	866					
28	865					Soil colors from Munsell Soil Color Chart, 1992 Revised Edition.
29	864					
30						



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Boring FH010-SB105

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SWMU FH010 : Abandoned Landfill 10
Start Date : 12/17/96
End Date : 12/17/96
Northing Coord. : 3446237.87 m
Easting Coord. : 613783.00 m UTM 14 North
Total Depth of Boring : 28.0 feet

Drilling Company : Terra-Mar
Driller : Bill Christopher
Designation of Drill : Mobile Drill B-59
Type of Drill Rig : Hollow Stem Auger
Geologist : Jeff DeVaughn
Depth to Bedrock : 26.0 feet
Depth Drilled Into Rock: 2.0 feet
Borehole Diameter : 8 inches
Sampling Equipment : 4.25" Augers
: CME Sampler 5' long

Depth in feet	Surf. Elev. 893.89ft	USCS	GRAPHIC	Water Levels	DESCRIPTION	REMARKS
0			X		Topsoil upper 0.3'.	Sample 10SB107 collected 0.0-0.5' bgs.
1	893	CL			Silty CLAY; weathered limestone fragments; wood debris; damp; moderately plastic; 2.5Y5/6 light olive brown.	Description from soil cuttings.
2	892				Same as above with a saturated zone from 1-2' bgs and dry below 2'.	
3	891					
4	890					
5	889	CL			Silty CLAY; weathered limestone interbeds; dry.	Sample 10SB108 collected 16.0-17.0' bgs.
6	888					
7	887					
8	886					
9	885					
10	884					
11	883				Same as above; dry.	
12	882					
13	881					
14	880					
15	879					
16	878				Same as above; dry.	
17	877					
18	876					
19	875				Same as above; dry.	
20	874					
21	873					
22	872					
23	871				Same as above; dry.	
24	870					
25	869					
26	868					
27	867	LS			LIMESTONE; weathered; dry; blue-gray.	Sample 10SB109 collected 27.0-28.0' bgs.
28	866				Bottom of Boring @ 28.0' bgs.	Soil colors from Munsell Soil Color Chart, 1992 Revised Edition.
29	865					
30	864					



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Boring FH010-SB106

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SWMU FH010 : Abandoned Landfill 10
Start Date : 12/16/96
End Date : 12/16/96
Northing Coord. : 3446266.21 m
Easting Coord. : 613824.97 m UTM 14 North
Total Depth of Boring : 25.5 feet

Drilling Company : Terra-Mar
Driller : Bill Christopher
Designation of Drill : Mobile Drill B-59
Type of Drill Rig : Hollow Stem Auger
Geologist : Jeff DeVaughn
Depth to Bedrock : 25.0 feet
Depth Drilled Into Rock: 0.5 feet
Borehole Diameter : 8 inches
Sampling Equipment : 4.25" Augers
 : CME Sampler 5' long

Depth in feet	Surf. Elev. 898.17ft	USCS	GRAPHIC	Water Levels	DESCRIPTION	REMARKS
0	898		X	X	Topsoil upper 0.3'.	Sample 10SB104 collected 0.0-0.5' bgs.
1	897				Silty CLAY; weathered limeston fragments; dry; hard; non-plastic; 2.5Y8/2 pale yellow.	
2	896	CL				
3	895					
4	894				Silty CLAY; weathered tan limestone interbeds; dry.	
5	893					
6	892				Trace small pieces of plastic (visqueen) in cuttings.	Description from soil cuttings.
7	891					
8	890					
9	889				Same as above; no plastic.	
10	888					
11	887				Same as above; dry.	
12	886					
13	885				Same as above; more clay; moderately plastic; dry; firm.	
14	884	CL				
15	883				Same as above; more silty; dry.	Sample 10SB105 collected 15.5-16.0' bgs.
16	882					
17	881					
18	880				Same as above; dry; limestone interbeds.	
19	879					
20	878					
21	877				Same as above; dry.	
22	876					
23	875				Same as above; interbeds of tan limestone.	
24	874					
25	873	LS			LIMESTONE; weathered; dry; blue-gray.	Sample 10SB106 collected 25.0-25.5' bgs.
26	872				Bottom of Boring @ 25.5' bgs.	
27	871					
28	870					Soil colors from Munsell Soil Color Chart, 1992 Revised Edition.
29	869					
30						



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Boring FH010-SB107

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SWMU FH010 : Abandoned Landfill 10
Start Date : 10/30/98
End Date : 10/30/98
Northing Coord. : 3446358.50 m
Easting Coord. : 613891.66 m UTM 14 North
Total Depth of Boring : 14.25 feet

Drilling Company : SAIC
Driller : John Haselhoff
Designation of Drill : Geoprobe
Type of Drill Rig : Direct Push Technology
Geologist : Paul Parrish
Depth to Bedrock : Not Encountered
Depth Drilled Into Rock: NA
Borehole Diameter : 2 inches
Sampling Equipment : 2" Core Barrel 4' Long

Depth in feet	Surf. Elev. 901.55ft	USCS	GRAPHIC	Water Levels	DESCRIPTION	REMARKS
0					Topsoil, Upper 0.2'	
901						
1		CL			Silty CLAY; weathered limestone fragments; dry to damp; hard; moderately plastic; 2.5Y7/6 yellow.	Sample 10SB121 collected 0.0-2.0' bgs. Split Sample and Duplicate collected.
900						
2					Silty CLAY; weathered limestone fragments; dry; hard; non-plastic; 2.5Y8/4 pale yellow.	Sample 10SB122 collected 2.0-3.8' bgs.
899						
3						
898						
4						
897						
5						Sample 10SB123 collected 4.0-6.0' bgs. Rinsate ER104 equipment used.
896						
6		CL				
895						
7						Sample 10SB124 collected 6.0-8.0' bgs.
894						
8					Same as above; dry.	
893						
9						
892						
10						Sample 10SB125 collected 8.0-12.0' bgs.
891						
11					Silty CLAY; piece of plastic; damp; moderately plastic; 2.5Y4/2 dark grayish brown.	
890						
12		CL				Water encountered at 12.0' bgs during drilling.
889						
13						Sample 10SB126 collected 12.0-14.25' bgs.
888					Garbage, wood and plastic. wet. Oily sheen on water.	
14						Refusal at 14.25' bgs.
887					Bottom of Boring @ 14.25' bgs.	
15						
886						
16						Boring lithology from original boring FH010-SB102, except for 13.8-14.25' bgs description.
885						
17						
884						
18						Soil colors from Munsell Soil Color Chart, 1992 Revised Edition.
883						
19						
882						
20						



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Boring FH010-PZ101

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SWMU FH010 : Abandoned Landfill 10
Start Date : 5/12/98
End Date : 5/18/98
Northing Coord. : 3446218.40 m
Easting Coord. : 613794.44 m UTM 14 North
Total Depth of Boring : 45.0 feet

Drilling Company : Terra-Mar
Driller : Bill Christopher
Designation of Drill : Mobile Drill B-59
Type of Drill Rig : Hollow Stem Auger
Geologist : Jeff DeVaughn
Depth to Bedrock : 27.0 feet
Depth Drilled Into Rock: 18.0 feet
Borehole Diameter : 8 inches
Sampling Equipment : 4.25" Augers
: CME Sampler 5' long

Depth in feet	Surf. Elev. 894.47ft	USCS	GRAPHIC	Water Levels	DESCRIPTION	REMARKS
0	894				Silty CLAY; limestone fragments/cobbles; dry; 10YR4/2 dark grayish brown.	
1	893					
2	892				Same as above except 10YR7/6 yellow; dry.	
3	891				No Recovery.	
4	890					
5	889					
6	888					
7	887					
8	886					Apparent wet zone around 7.0' bgs (cuttings).
9	885					
10	884				No Recovery (appears to be a rock in augers).	
11	883					
12	882					
13	881					
14	880	CL			Silty CLAY; interbedded with crystalline, fossiliferous limestone; mostly dry to damp; 10YR7/6 yellow.	
15	879					
16	878				No Recovery. (Same as above described from soil cuttings).	
17	877					
18	876				Same as above; dry.	
19	875					
20	874				Same as above; dry.	
21	873	CL				Sample 10SB117 collected 20.0-21.0' bgs.
22	872				No Recovery.	
23	871					
24	870				Same as above; dry.	
25	869					
26	868					
27	867					
28	866	LS			LIMESTONE; dry; gray.	
29	865				Total Depth augering 28.5' bgs, begin coring @ 30' bgs.	
30	864					
31	863				LIMESTONE, N5 medium gray, some zones of N7 light gray; thin zones of clay in fractures (N3 dark gray); clay zones damp; limestone has trace fossils and weathered zones are <1cm thick.	
32	862					
33	861					
34	860	LS				
35	859				Good core recovery (100%)	
36	858				Same as above; dry.	
37	857					
38	856					
39	855	SH			SHALE; very weathered; trace fossils; damp; N3 dark gray.	
40	854					Soil colors from Munsell Soil Color Chart, 1992 revised edition.
41	853					
42	852	LS			Mostly LIMESTONE as above; evidence of some shale but none recovered (may be too soft).	
43	851				No Recovery.	Rock colors from Munsell Rock Color Chart.
44	850					
45	849				Bottom of Boring @ 45.0' bgs.	
46	848					
47	847					
48	846					
49	845					
50						

Well1: PZ101
Elev.: 895.97 TOC

No Protective
Casing Installed

Cement/Bentonite
Grout

Casing
2" Dia PVC Sch 40

Top of Seal
@ 25.1' bgs

Seal - Medium
Bentonite Chips

Top of Filter Pack
@ 29.9' bgs

Top of Screen
@ 33.98' bgs

Filter Pack
(1020 Silica Sand)

Screen 2" Dia PVC
Sch 40, 10 Slot

Bottom of Screen
@ 43.45' bgs



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Boring FH010-PZ102

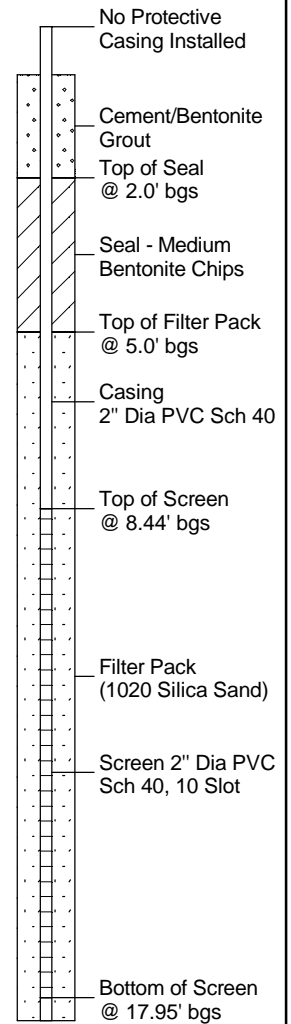
(Page 1 of 1)

SWMU FH010 : Abandoned Landfill 10
Start Date : 5/13/98
End Date : 5/19/98
Northing Coord. : 3446430.17 m
Easting Coord. : 613742.46 m UTM 14 North
Total Depth of Boring : 21.0 feet

Drilling Company : Terra-Mar
Driller : Bill Christopher
Designation of Drill : Mobile Drill B-59
Type of Drill Rig : Hollow Stem Auger
Geologist : Jeff DeVaughn
Depth to Bedrock : 18.5 feet
Depth Drilled Into Rock: 3.0 feet
Borehole Diameter : 8 inches
Sampling Equipment : 4.25" Augers
: CME Sampler 5' long

Depth in feet	Surf. Elev. 890.83ft	USCS	GRAPHIC	Water Levels	DESCRIPTION	REMARKS
0					Silty CLAY; limestone fragment; dry to damp; moderately plastic when damp; 2.5Y7/6 yellow.	
1	890					
2	889					
3	888				No Recovery.	
4	887					
5	886				Silty CLAY interbedded with limestone, overall dry.	
6	885					
7	884					
8	883				No Recovery.	
9	882	CL				
10	881				Same as above; dry.	
11	880					
12	879					
13	878				No Recovery, rock in spoon (core barrel).	
14	877					
15	876					
16	875				Same as above; dry to damp.	
17	874					
18	873	LS			LIMESTONE, weathered; dry; tan.	Sample 10SB118 and Split and Duplicate collected 17.0-18.5' bgs.
19	872				LIMESTONE; dry; blue-gray.	
20	871	LS			same as above dry.	Second boring needed to install piezometer because trash was encountered in first boring. See first boring log FH010-PZ102A.
21	870				Bottom of Boring @ 21.0' bgs.	
22	869					
23	868					Soil colors from Munsell Soil Color Chart, 1992 revised edition.
24	867					
25	866					

Well1: PZ102
Elev.: 892.83





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Boring FH010-PZ102A

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SWMU FH010 : Abandoned Landfill 10
Start Date : 5/13/98
End Date : 5/13/98
Northing Coord. : Not
Easting Coord. : Surveyed
Total Depth of Boring : 8.0 feet

Drilling Company : Terra-Mar
Driller : Bill Christopher
Designation of Drill : Mobile Drill B-59
Type of Drill Rig : Hollow Stem Auger
Geologist : Jeff DeVaughn
Depth to Bedrock : Not Encountered
Depth Drilled Into Rock: NA
Borehole Diameter : 8 inches
Sampling Equipment : 4.25" Augers
: CME Sampler 5' long

Depth in feet	USCS	GRAPHIC	Water Levels	DESCRIPTION	REMARKS
0				Silty CLAY; limestone fragments; dry; non-plastic; 10YR6/6 brownish yellow.	
1					
2	CL				
3				damp below 3'	
4				No Recovery	
5	CL			Same as above; moist.	
6	FL			Black paper, glass, wood, wet.	
7	CL			Same Silty CLAY as above, wet.	
8	CL			No recovery	Will move to new location due to trash, this hole will be abandoned.
9				Bottom of Boring @ 8.0' bgs.	
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					Soil colors from Munsell Soil Color Chart, 1992 Revised Edition.
26					
27					
28					
29					
30					



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Boring FH010-PZ103

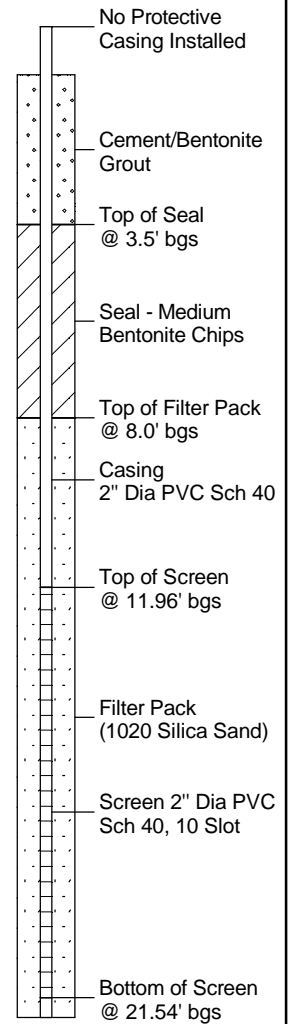
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SWMU FH010 : Abandoned Landfill 10
Start Date : 5/13/98
End Date : 5/18/98
Northing Coord. : 3446207.67 m
Easting Coord. : 613968.07 m UTM 14 North
Total Depth of Boring : 25.0 feet

Drilling Company : Terra-Mar
Driller : Bill Christopher
Designation of Drill : Mobile Drill B-59
Type of Drill Rig : Hollow Stem Auger
Geologist : Jeff DeVaughn
Depth to Bedrock : 24.5 feet
Depth Drilled Into Rock: 0.5 feet
Borehole Diameter : 8 inches
Sampling Equipment : 4.25" Augers
: CME Sampler 5' long

Depth in feet	Surf. Elev. 896.77ft	USCS	GRAPHIC	Water Levels	DESCRIPTION	REMARKS
0					Silty CLAY; damp below 1.0' bgs; plastic; firm; 2.5Y6/6 olive yellow.	
1	896					
2	895					
3	894	CL			Same as above; damp.	
4	893					
5	892					
6	891				No recovery. Soil cuttings damp 2.5Y2.5/1 black clay (fill), no trash seen.	
7	890	CL				
8	889					
9	888	CL			Silty CLAY; damp; very plastic; 5Y5/4 olive with fragments of gley 7/5GY light greenish gray colored limestone.	0 ppm
10	887	CL			Silty CLAY; damp to dry; 2.5Y2.5/1 black.	
11	886				No recovery. Driller reported rock (cobble) at 12.0' bgs.	
12	885					
13	884					
14	883				Silty CLAY; limestone fragments (slightly greenish gray as previous); damp; stiff; plastic; 5Y5/4 olive.	
15	882	CL				
16	881					
17	880	LS			LIMESTONE, weathered; tan.	Sample 10SB119 collected 20.0-20.5' bgs.
18	879				No recovery.	
19	878				Same Silty CLAY interbedded with limestone; dry overall although silty clay is damp in places; 2.5Y6/6 olive yellow.	
20	877	CL				
21	876				No recovery	
22	875					
23	874					Note: 2.2 feet of natural cave-in at bottom of boring.
24	873	CL			Same as above described from soil cuttings.	
25	872	LS			LIMESTONE; dry; blue-gray.	
26	871				Bottom of Boring @ 25.0' bgs.	
27	870					
28	869					Soil colors from Munsell Soil Color Chart, 1992 revised edition.
29	868					
30	867					

Well1: PZ103
Elev.: 900.07





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Boring FH010-PZ104

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SWMU FH010 : Abandoned Landfill 10
Start Date : 5/19/98
End Date : 5/19/98
Northing Coord. : 3446492.53 m
Easting Coord. : 613812.45 m UTM 14 North
Total Depth of Boring : 34.0 feet

Drilling Company : Terra-Mar
Driller : Bill Christopher
Designation of Drill : Mobile Drill B-59
Type of Drill Rig : Hollow Stem Auger
Geologist : Jeff DeVaughn
Depth to Bedrock : 15.0 feet
Depth Drilled Into Rock: 19.0 feet
Borehole Diameter : 8 inches
Sampling Equipment : 4.25" Augers
: CME Sampler 5' long

Depth in feet	Surf. Elev. 885.14ft	USCS	GRAPHIC	Water Levels	DESCRIPTION	REMARKS
0	885					
1	884	CL			Silty CLAY; limestone fragments; dry; non-plastic; mottled 10YR7/6 yellow and 10YR6/8 brownish yellow.	
2	883					
3	882				No recovery; dry.	
4	881					
5	880	CL			Silty CLAY; interbeds of tan weathered limestone; dry; mostly yellow.	
6	879					
7	878				No recovery; dry. Same as above described from cuttings.	
8	877	CL				
9	876					
10	875				LIMESTONE, weathered; sandy; trace fossils; dry; tan.	
11	874	LS				
12	873					
13	872					
14	871					
15	870				LIMESTONE; shale; possible trace moisture in shaley parts; blue-gray.	Sample 10SB120 collected 15.0-15.5' bgs.
16	869					
17	868				Same as above; overall dry; described from cuttings.	
18	867					
19	866				Same as above.	
20	865					
21	864	LS				
22	863					
23	862					
24	861				Same as above.	
25	860					
26	859					
27	858				SAND, fine to medium, in cuttings; damp; driller reports soft material.	
28	857					
29	856					
30	855				Still in sand, varies from dark to light gray. moist.	
31	854	SP				Water in hole after pulling center plug.
32	853					Soil colors from Munsell Soil Color Chart, 1992 revised edition.
33	852					
34	851				Bottom of Boring @ 34.0' bgs. (Hit rock again)	
35						

Well1: PZ104
Elev.: 886.14

No Protective
Casing Installed

Cement/Bentonite
Grout

Casing
2" Dia PVC Sch 40

Top of Seal
@ 14.0' bgs

Seal - Medium
Bentonite Chips

Top of Filter Pack
@ 19.7' bgs

Top of Screen
@ 23.17' bgs

Filter Pack
(1020 Silica Sand)

Screen 2" Dia PVC
Sch 40, 10 Slot

Bottom of Screen
@ 32.75' bgs

APPENDIX B

Geophysical Investigation Results



Geophysical Services

A Service of Science Applications International Corporation

Technical Memorandum

To: Ms. Mary White
From: Mr. Jeffrey J. Warren
CC: Mr. Paul Kasper, Mr. D. Victor Brown, and Mr. Jeffrey L. Leberfinger
Date: 12/08/99
Re: Fort Hood, TX – SWMU FH010 Electrical Imaging Investigation

These documents are the results of the geophysical investigation performed at Fort Hood, Texas on July 13 -16 and September 12 - 16, 1999. This investigation was performed to provide additional horizontal and vertical characterization of SWMU FH010 that is located northwest of the intersection with Clear Creek Road and Watercrest Road in the vicinity of the baseball fields. Site FH-010 is located at the approximate elevation of 900 feet above mean sea level (msl). The site slopes to the west towards an unnamed tributary of Clear Creek that drains the site.

Fort Hood Cantonment Specific Hydrogeology

Shallow ground water on Fort Hood randomly occurs under perched water conditions in the overburden or weathered bedrock of the Fredericksburg Group. The occurrence of this perched water depends on both rainfall amount and frequency and subsurface geology and can be classified as seasonal in the Fort Hood area. When present, ground water flow in the low permeability clay soils is restricted and may be controlled by secondary features such as fractures in the soil. At the cantonments, the overburden and weathered bedrock are underlain by the Walnut Formation. The shale beds of the Walnut Formation restrict the vertical movement of ground water. The interbedded shales and limestones of the Walnut Formation do not yield water in the Fort Hood area.

The clay overburden is typically 15 to 30 feet thick, and the Walnut Formation varies in thickness from 100 to 175 feet (BEGM 1979). The low permeability of the overburden and Walnut Formation that cover the Paluxy Formation impede contamination from reaching this unit. However, the Paluxy Formation is vulnerable to contamination along streams and rivers that drain Fort Hood's cantonments. At the streams and rivers where the Paluxy Formation outcrops, it receives recharge from precipitation and from the alluvial and fluvial terrace deposits. The Paluxy Formation is vulnerable along the Leon River that drains the SWMUs located in north Fort Hood, along South Nolan Creek and Clear Creek that drain the SWMUs located at the main cantonment, and along Clear Creek that drains SWMUs located at west Fort Hood. The ground water of the Paluxy Formation provides an unknown amount of recharge to the Glen Rose Formation. The Glen Rose also receives recharge from precipitation where it outcrops along Cowhouse Creek and Clear Creek. The Glen Rose Formation yields

little to no water at Fort Hood. Interformational leakage also occurs between the Glen Rose and Travis Peak formations. Wells near the main cantonment which have been plugged were screened in the Travis Peak Formation at depths varying from 400 to 870 feet. These wells did yield usable quantities of water; however, the water contained concentrations of fluoride, chloride, and sulfate that exceeded U. S. Environmental Protection Agency (EPA) limits (Jore 1995). Site-Specific Geology

No site-specific geologic data from previous subsurface investigations are known to exist for this site.

According to the Geologic Atlas of Texas, Waco Sheet, the Cretaceous age Walnut Formation underlies the unconsolidated soil and is approximately 50 feet thick near Site FH-010 (Bureau of Economic Geology 1979). Underlying the Walnut Formation are the Paluxy, Glen Rose, and Travis Peak formations. These three formations are referred to as the Trinity Group aquifer. Limited amounts of highly mineralized groundwater are yielded from the Paluxy and Glen Rose formations. The Travis Peak Formation is the primary water-bearing unit in the area.

Subsurface Soil Pathway. The subsurface soil pathway is an important potential migration pathway because the landfill may have been constructed in native soil without an adequate liner. As a result, the subsurface soils can act as a long-term source of contaminants to other media. Contaminant release to groundwater can occur through leaching during periodic storm events that produce infiltration. The highest concentrations of contaminants would be expected to be deposited in the subsurface soils immediately beneath the landfill waste. Based on the geology and hydrogeology of the main cantonment area, the potential for the subsurface pathway is minimal.

PURPOSE AND SCOPE

During piezometer installation in May of 1998 one soil boring indicated the presence of vinyl chloride. Since the extent of vinyl chloride was unknown and offsite migration is a concern, further investigation was warranted. Based on the apparent resistivity contrast between subsurface materials, an electrical imaging (EI) survey was proposed. EI is a geophysical technique which images the electrical properties of the subsurface. The EI data can be evaluated to identify distinct boundaries and conditions indicative of the buried subsurface waste materials and potential saturated zones under the site.

Electrical imaging involves measuring the resistivity of the earth along a series of profiles. Electrodes are planted in the earth with their separation being increased with successive traverses. Increasing electrode separation enables measurements of greater depth. Length of profile, depth of exploration, and resolution determine the electrode spacing, which can be anywhere from 1 meter to 50 meters or more.

DATA COLLECTION

To conduct the investigation, SAIC utilized a Swift, automatic, multielectrode system. Data was downloaded to a field computer for field evaluation and analysis. This ensures an adequate data set for comprehensive analysis and evaluation.

In June of 1999, SAIC investigated five traverses (FH10-1 through FH10-5) which were centered in the vicinity of the well with vinyl chloride detection and one traverse (FH10-6) was located south of the ballfields. These traverses varied in length from 112 meters to 222 meters with an electrode spacing of two meters. Data was collected with a dipole-dipole electrode configuration including $a=6$ and $n=6$. This traverse configuration and length was required to adequately delineate the extent of the saturated portion of the landfill.

Upon review of this data, it was determined that insufficient information was available in the vicinity of a sewer utility which trended north to south approximately 100m east of SB102. Since this utility trench may be a potential migration pathway, five additional traverses were investigated in this area. This work was conducted in September of 1999.

Subsequently, all EI electrode locations were mapped with a Trimble Pro-XRS GPS with submeter horizontal accuracy.

DATA ANALYSIS

Interpretation of the raw imaging (apparent resistivity) data without reduction would provide a product very similar to EM methods (i.e., the interpretation would only be qualitative.) Inversion of the data to true resistivities will provide a more unique or quantitative interpretation of the data. The inversion of the dipole data will also correct for effects of topography changes which can cause misleading interpretations of the raw apparent resistivity data from the dipole-dipole data set. SAIC utilized the resistivity inversion program RES2DINV to produce true resistivity models based on the apparent resistivity data.

Due to the nature of EI surveys, site soil conditions may affect measured resistivities. One factor that affects the measurements is the contact resistances between the electrode stake and the ground. During the June investigation, site soil conditions were moist and electrode stake placement was easy. During the September investigation, site soil conditions were dryer and more effort was required to plant electrode stakes. On both occasions, SAIC hydrated electrode stakes to ensure operable contact resistances of less than 1000 ohm meters. During the June investigation, contact resistances averaged approximately 400 ohm meters while the September investigation yielded contact resistances of approximately 600 ohm meters. Taking this into account, measured subsurface resistivity will vary, however, general trends are repeatable. Therefore, the general assumption is made that very low resistivity values are interpreted to be saturated zones while moderately high values are interpreted to be bedrock. Information obtained from soil boring SB102 was used to correlate resistivity measurements to subsurface conditions.

DATA RESULTS

A total of eleven EI traverses were investigated. As the investigation progressed, traverse placement was determined based on processed EI data, potential saturated zones, and aerial coverage.

The electrical imaging traverses pass near locations where geological information is available. FH10-1 through FH10-4 all intersect at soil boring SB-102. FH10-5 intersected FH10-1 and FH10-3. FH10-6 is centered on piezometer PZ101. FH10-7 and FH10-8 paralleled the sewer utility, while FH10-9 and FH10-10 intersected the utility. This geologic information was utilized to correlate modeled resistivity values to top of rock and potential saturated zones.

For most of the traverses, a modeled resistivity of less than 10 ohmmeter correlates with the interpreted as a potential saturated zone. This is based on information gathered from SB102. Modeled resistivity values greater than 24 ohmmeter correlates with the interpreted weathered bedrock (limestone) based upon the drilling records. Furthermore, based on information obtained from PZ101, modeled resistivity values greater than 55 ohmmeter may correlate to an interbedded shale layer or competent limestone. These general assumptions are based on limited geologic information.

It is highly likely, that the EI survey is reflecting the anion and cation properties of the groundwater instead of the electrical properties of the formation (soil or bedrock). This interpretation could also be defined to represent lateral variations in subsurface porosity. Resistivity lows could be interpreted to represent areas of increased porosity, where the pore-space is occupied by more highly conductive (poorly resistive) materials. With this interpretation, the location of the low resistivity zones could represent areas preferential permeability for perched water and contaminant flow.

DATA MODELING AND BORING PLACEMENT

As part of data analysis, two-dimensional EI data was modeled with Earth Vision modeling to provide pseudo three-dimensional and aerial information. This information was used as a decision making tool for siting confirmatory borings and sample locations. This information is discussed in detail under separate cover.

In September of 1999, SAIC utilized a cone penetrometer truck to install soil borings. A total of eighteen borings were installed and yielded enough water to acquire a sample. In general, saturated borings appeared to correlate with areas of low measured resistivity. This information along with analytical data is discussed in more detail under separate cover.

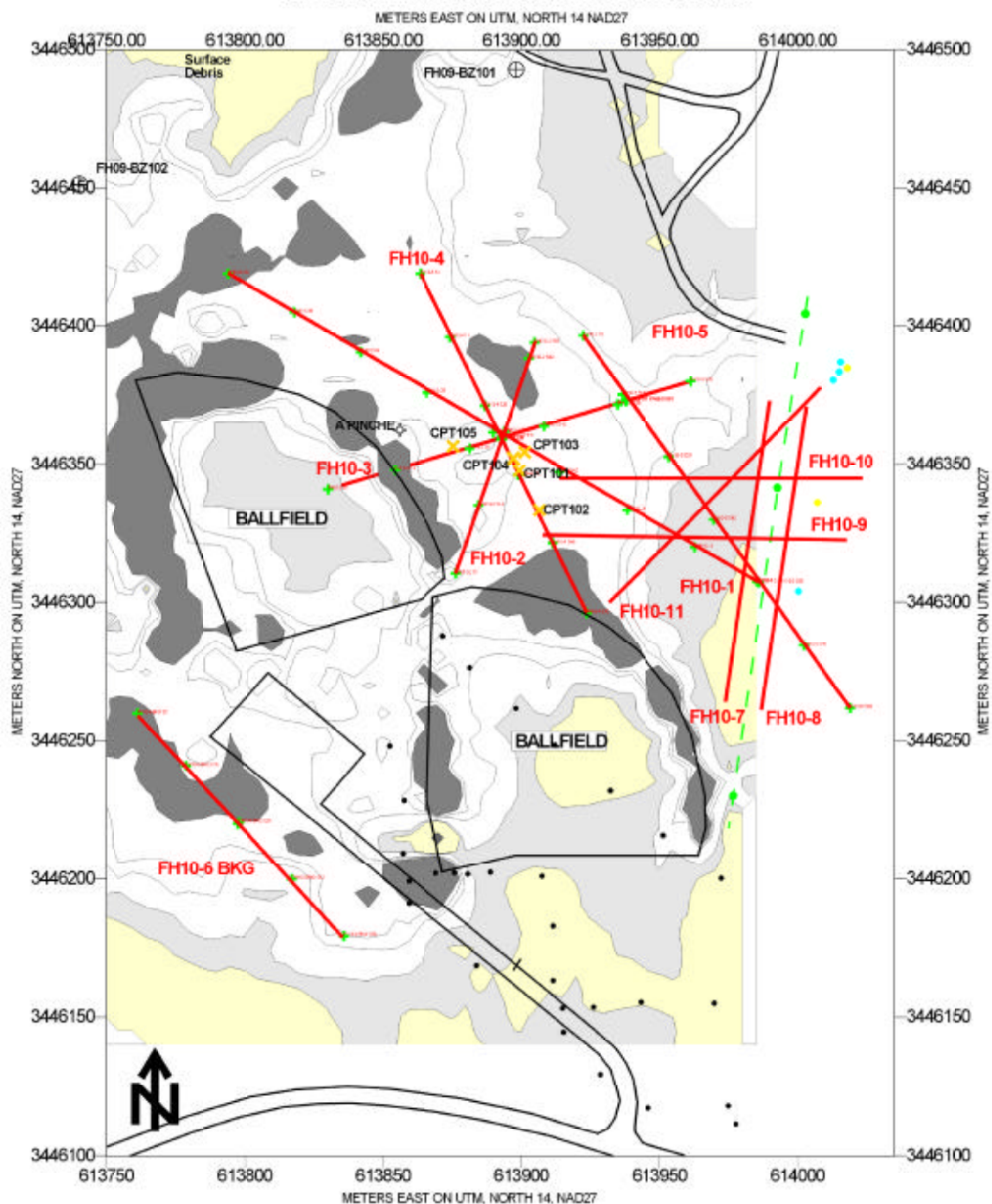
GEOPHYSICAL DATA SUMMARY AND CONCLUSIONS

The proposed investigation work scope includes standard and/or routinely accepted practices of the geophysical industry. SAIC utilized the multiple geophysical investigation methods as a means to provide a series of checks and balances to provide subsurface models that reflect as unique as possible the subsurface

conditions at the site. However, by its nature, no subsurface survey is 100 percent accurate, and SAIC cannot accept responsibility for inherent technique limitations, survey limitations or unforeseen site-specific conditions. The identified boundaries separating materials of different physical properties may or may not coincide with boundaries separating materials of different lithologic, geologic or soil composition. This may result in the geophysical interpretation varying somewhat from the gross geologic, lithologic or soils setting of the site. With these constraints in mind, SAIC has drawn the following conclusions:

1. Electrical imaging as a technique is able to provide electrostratographic information about the site. The electrostratographic information does appear to correlate with the top of rock (limestone) and interbedded shales which are noted from the soil borings and well logs from the site. Since geologic information is limited, it is recommended that a future borings be conducted to confirm or deny this assumption.
2. Low resistivity zones have been identified, and interpreted to relate to perched water. The saturated zone noted during the installation of SB102 supports this
3. Borings were installed based on the EI information. Saturated borings appeared to correlate with the modeled EI data.
4. Pseudo three-dimensional processing of two-dimensional EI data improved the data visualization and the interpretation of the geophysical data.
5. In the future, when soil borings or wells are installed onsite, a conductivity log should be run in the borehole to acquire electrical properties of the soil and bedrock for the area. These electrical properties from this borehole geophysical technique should be correlated to the interpreted geology to examine the variations of electrical properties with sand, silt and clay variations. This information should in turn be used to re-examine the data collected and presented with this report as a means to refine the interpretation.
6. If future sampling activities indicate wide spread environmental impact, Electrical imaging would be a valuable tool to make correlations and characterize the site.
7. It is important to note that perched water conditions may be seasonal.

FORT HOOD, TEXAS **LANDFILL FH-010 GEOPHYSICAL INVESTIGATION** **EM-31 QUADRATURE DATA** **ELECTRICAL IMAGING TRAVERSE LOCATION**



LEGEND

- X CPT101 CPT location and identifier
- Sewer
- Gas
- Water
- **FH10-1** EI Traverse and identifier

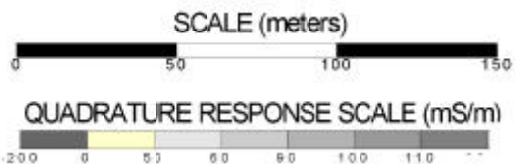


FIGURE 1

FIGURE 2

Fort Hood, Texas
SWMU FH010
Electrical Imaging Results

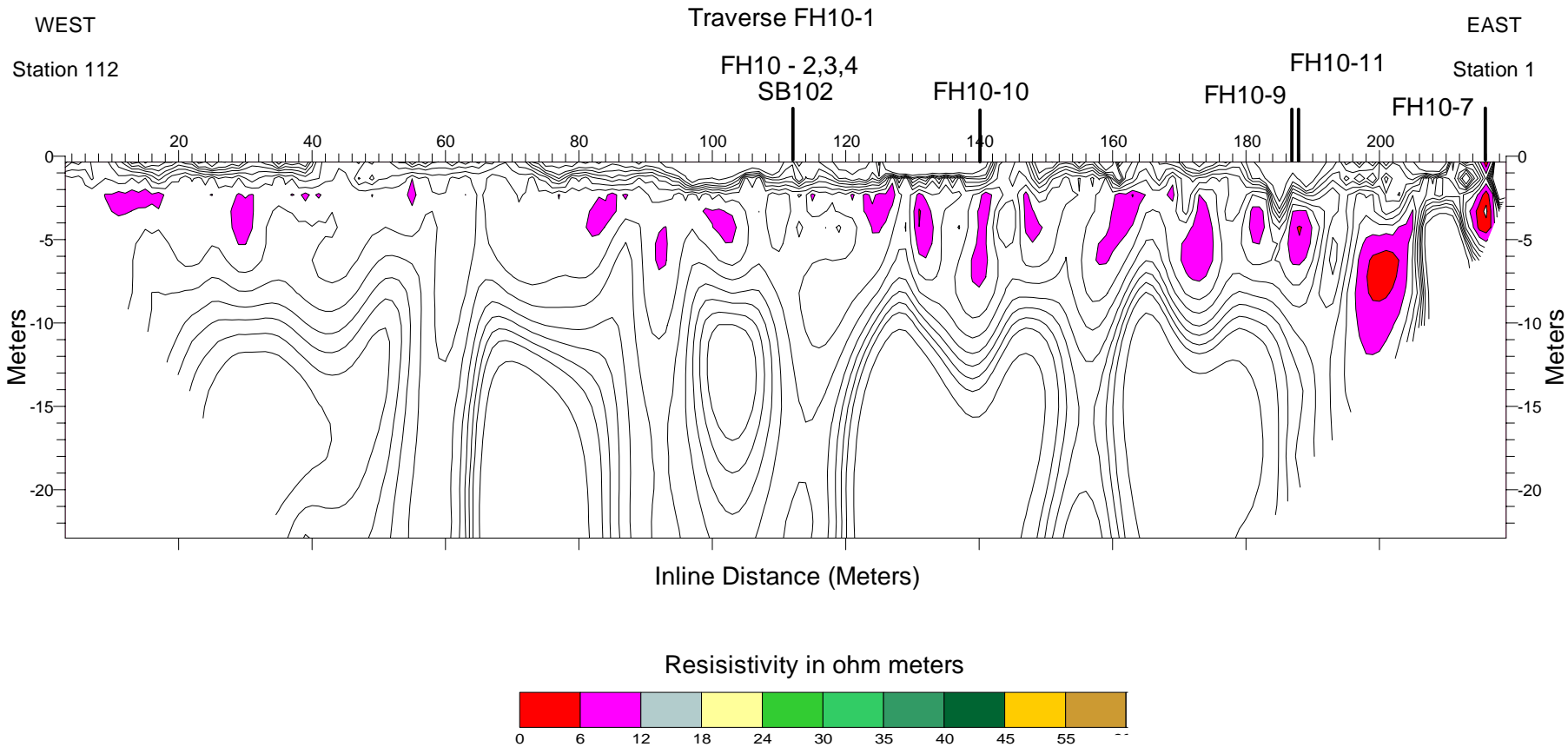


FIGURE 3
Fort Hood, Texas
SWMU FH010
Electrical Imaging Results
Traverse FH10-2

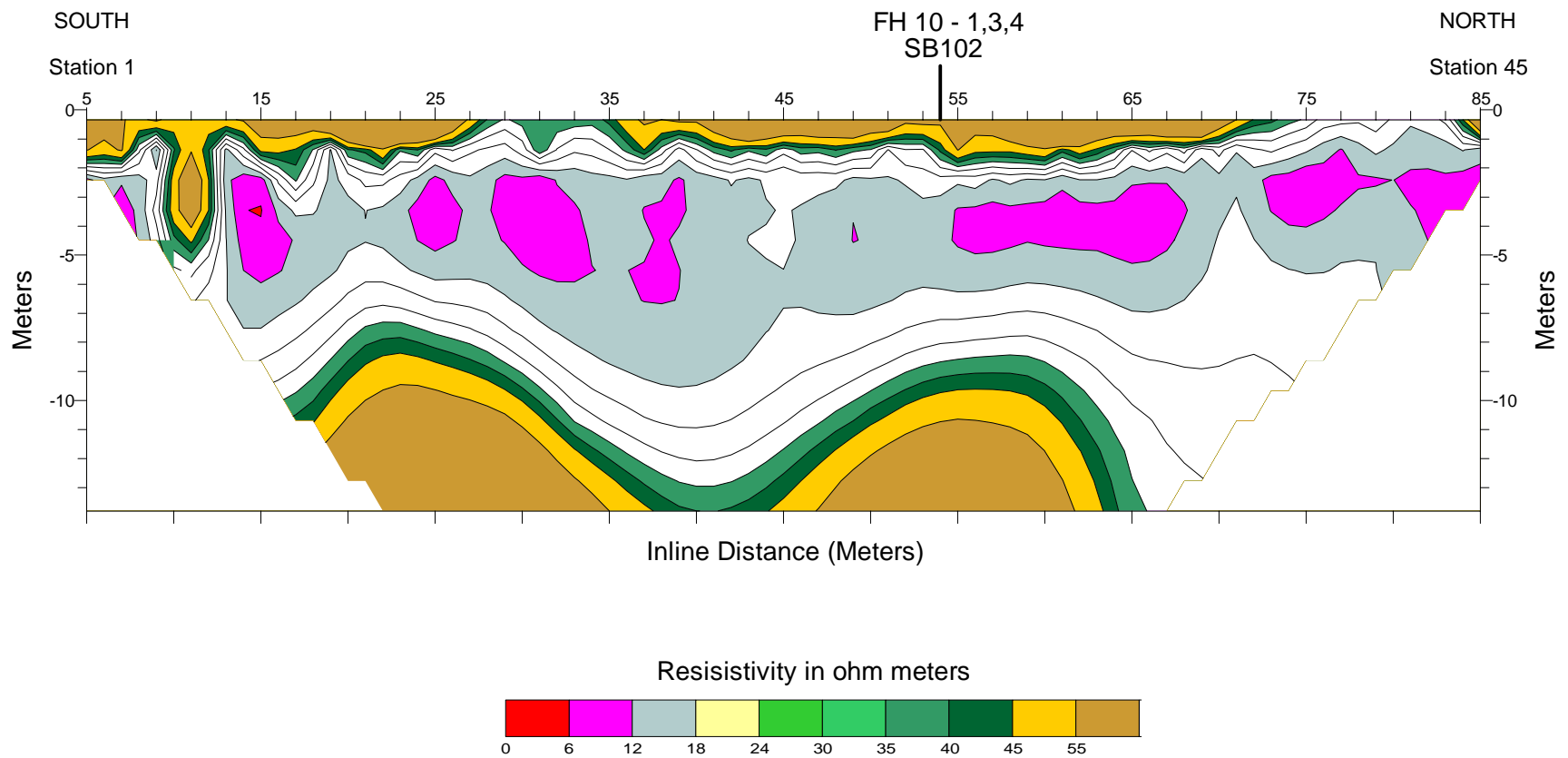


FIGURE 4

Fort Hood, Texas
SWMU FH010
Electrical Imaging Results
Traverse FH10-3

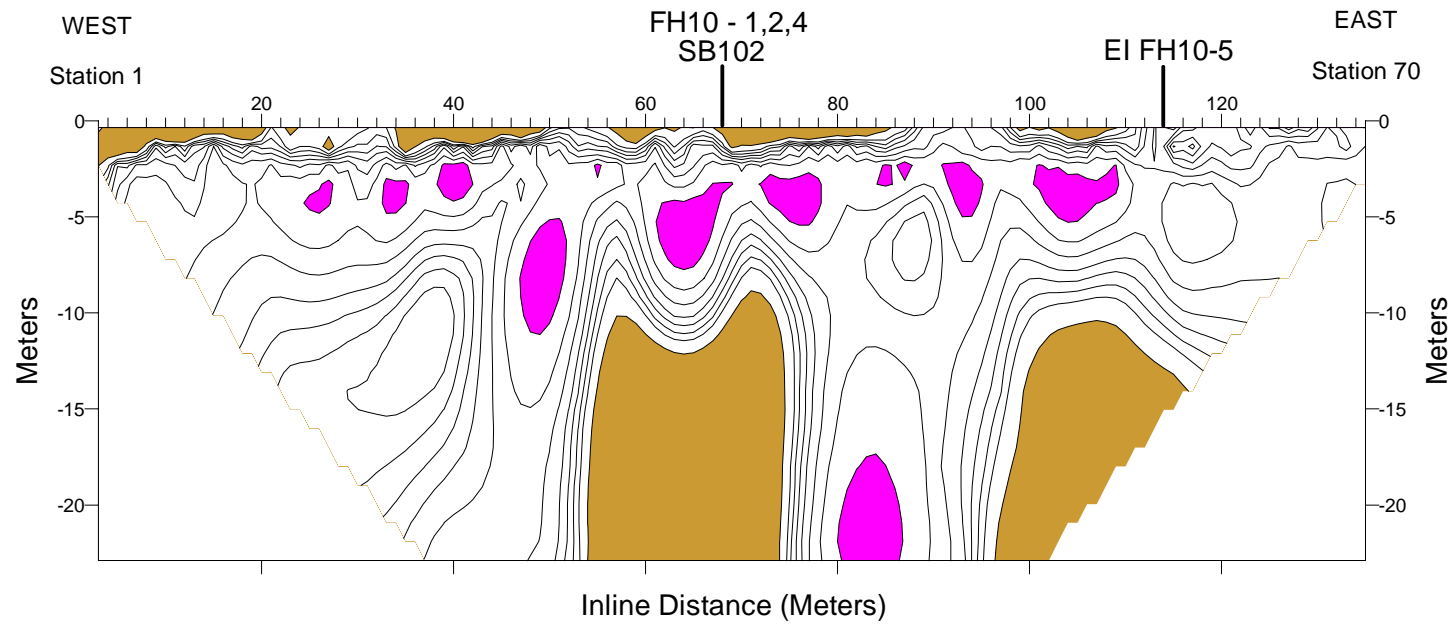


FIGURE 5
Fort Hood, Texas
SWMU FH010
Electrical Imaging Results

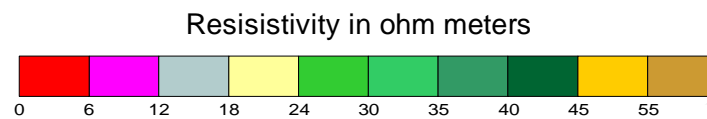
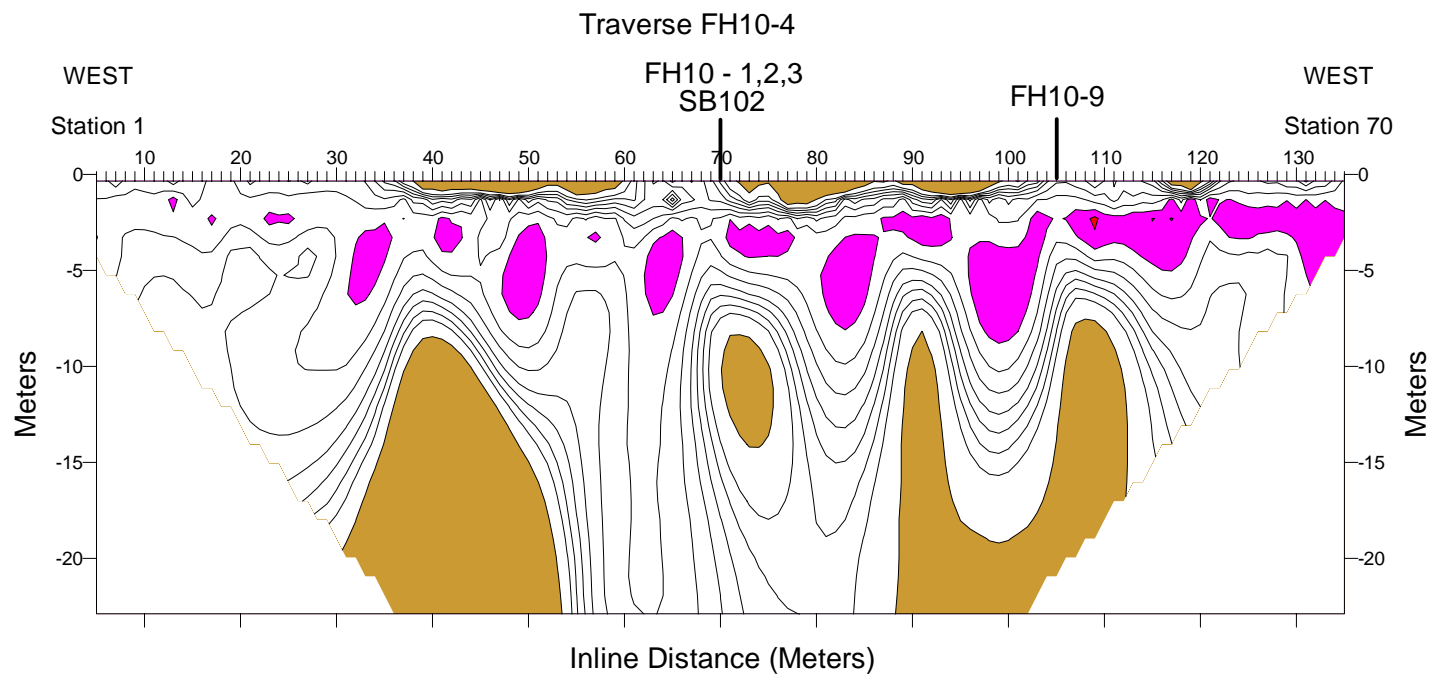
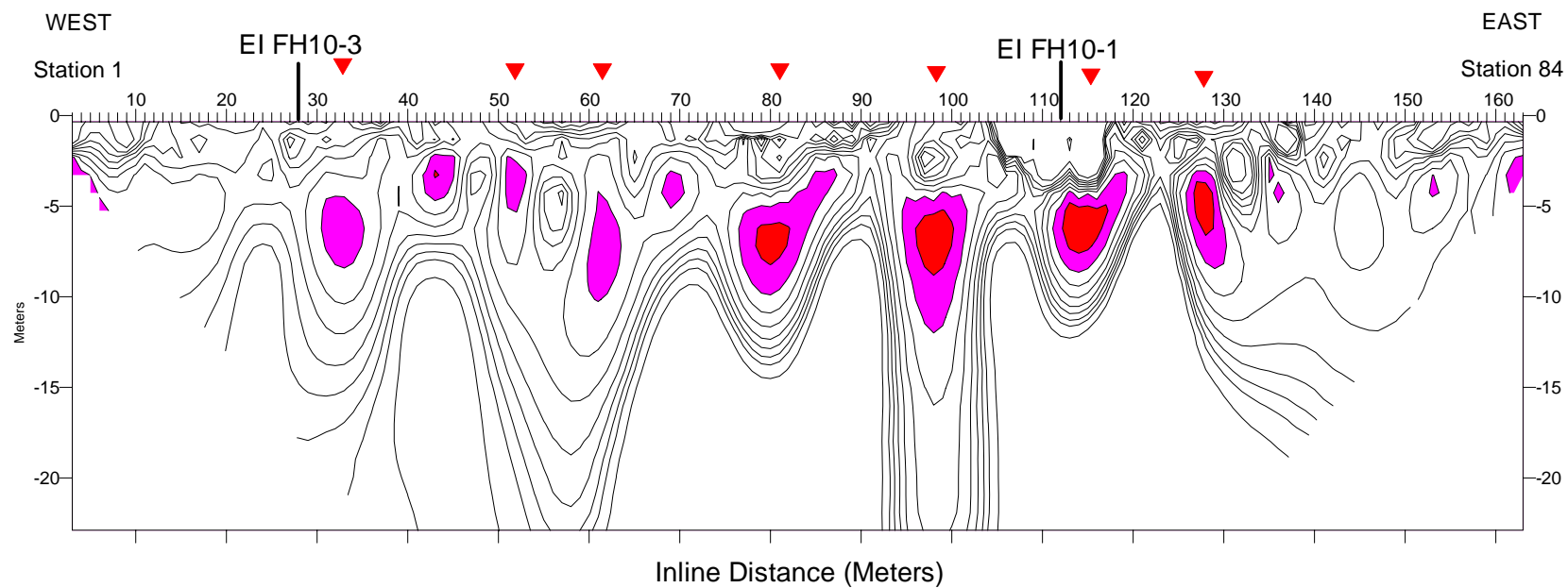


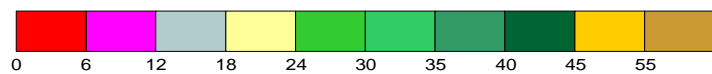
FIGURE 6

Fort Hood, Texas
SWMU FH010
Electrical Imaging Results

Traverse FH10-5



Resistivity in ohm meters



▼ Potential Geoprobe Sample Location

FIGURE 8

Fort Hood, Texas
SWMU FH010
Electrical Imaging Results

Traverse FH10-7

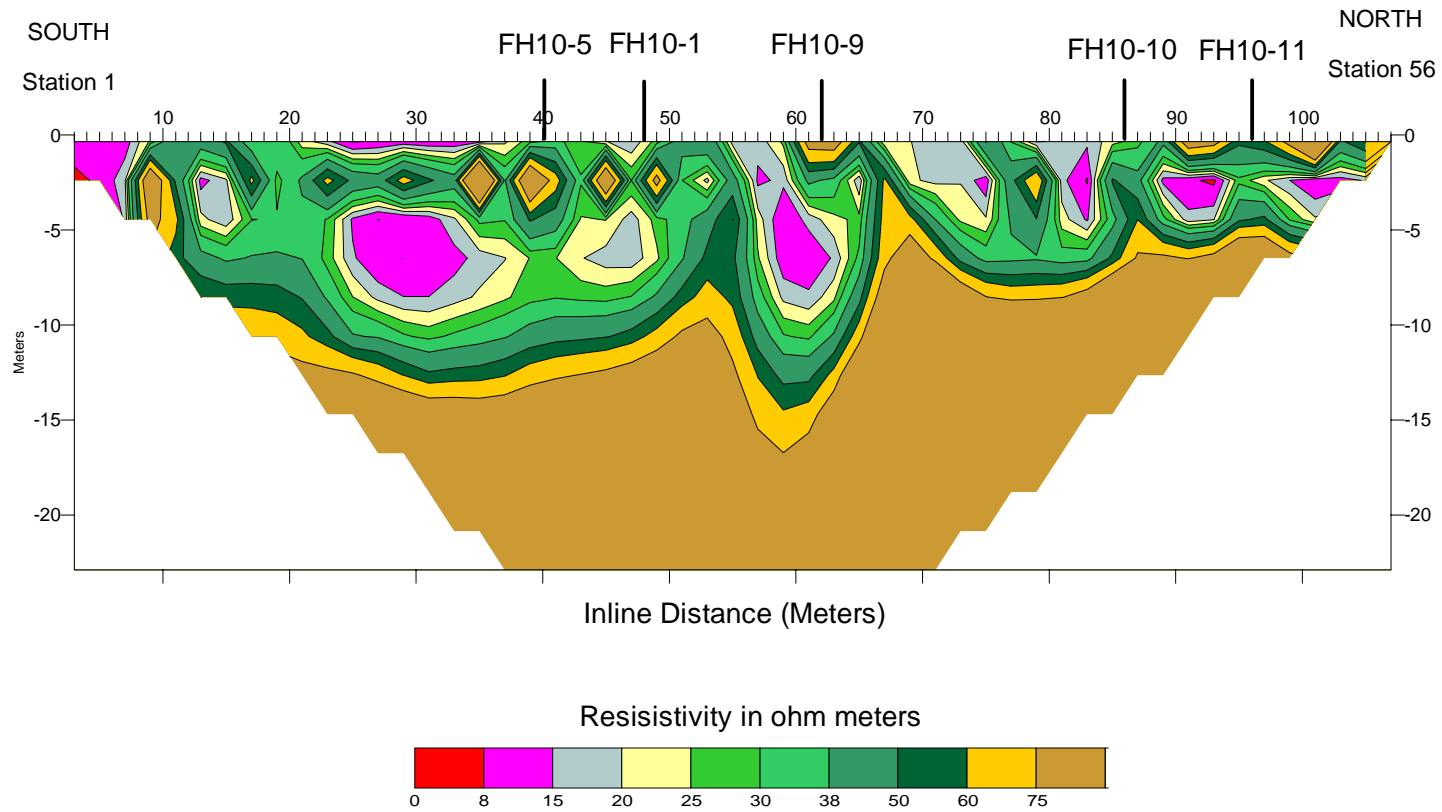


FIGURE 9

Fort Hood, Texas
SWMU FH08
Electrical Imaging Results

Traverse FH10-8

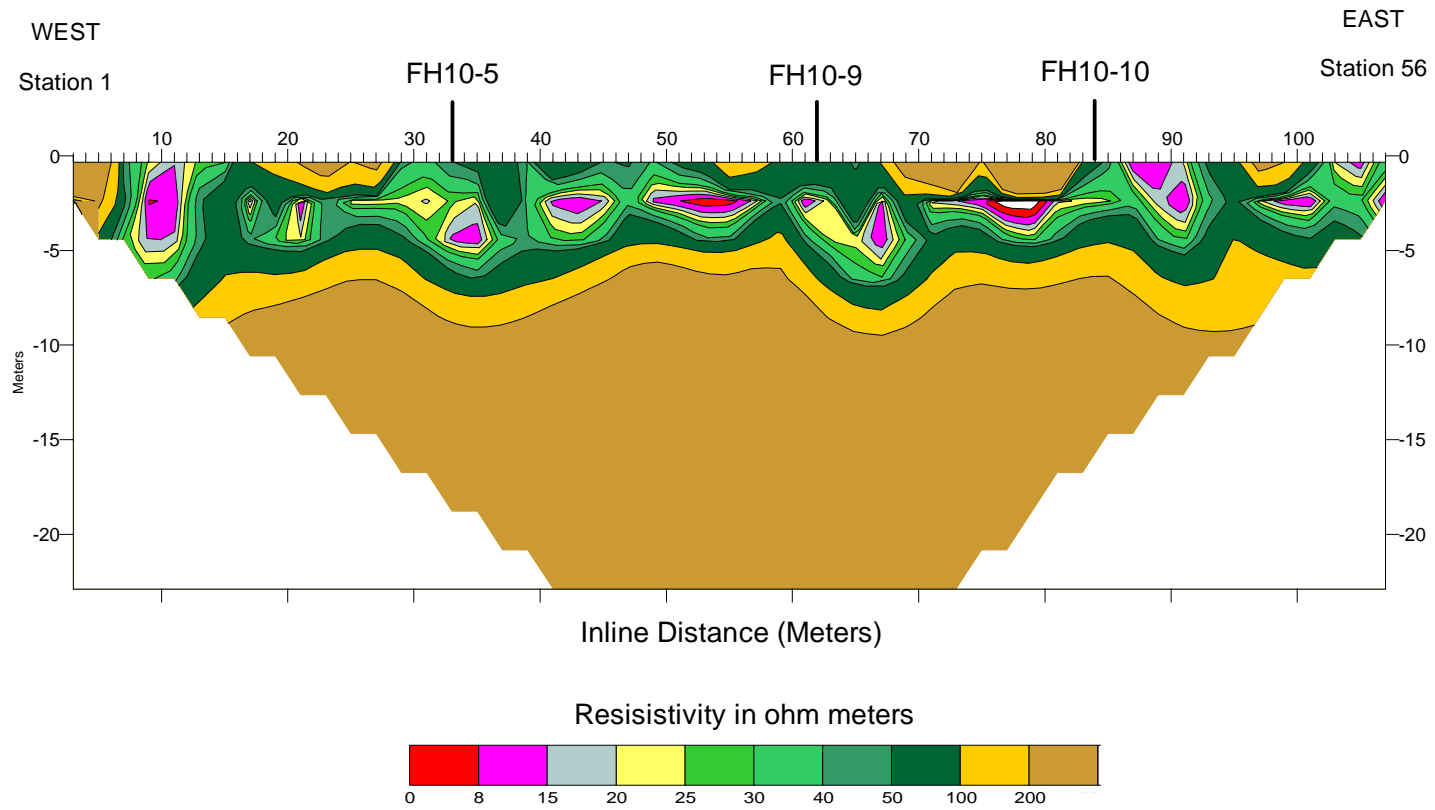


FIGURE 10

Fort Hood, Texas
SWMU FH010
Electrical Imaging Results

Traverse FH10-9

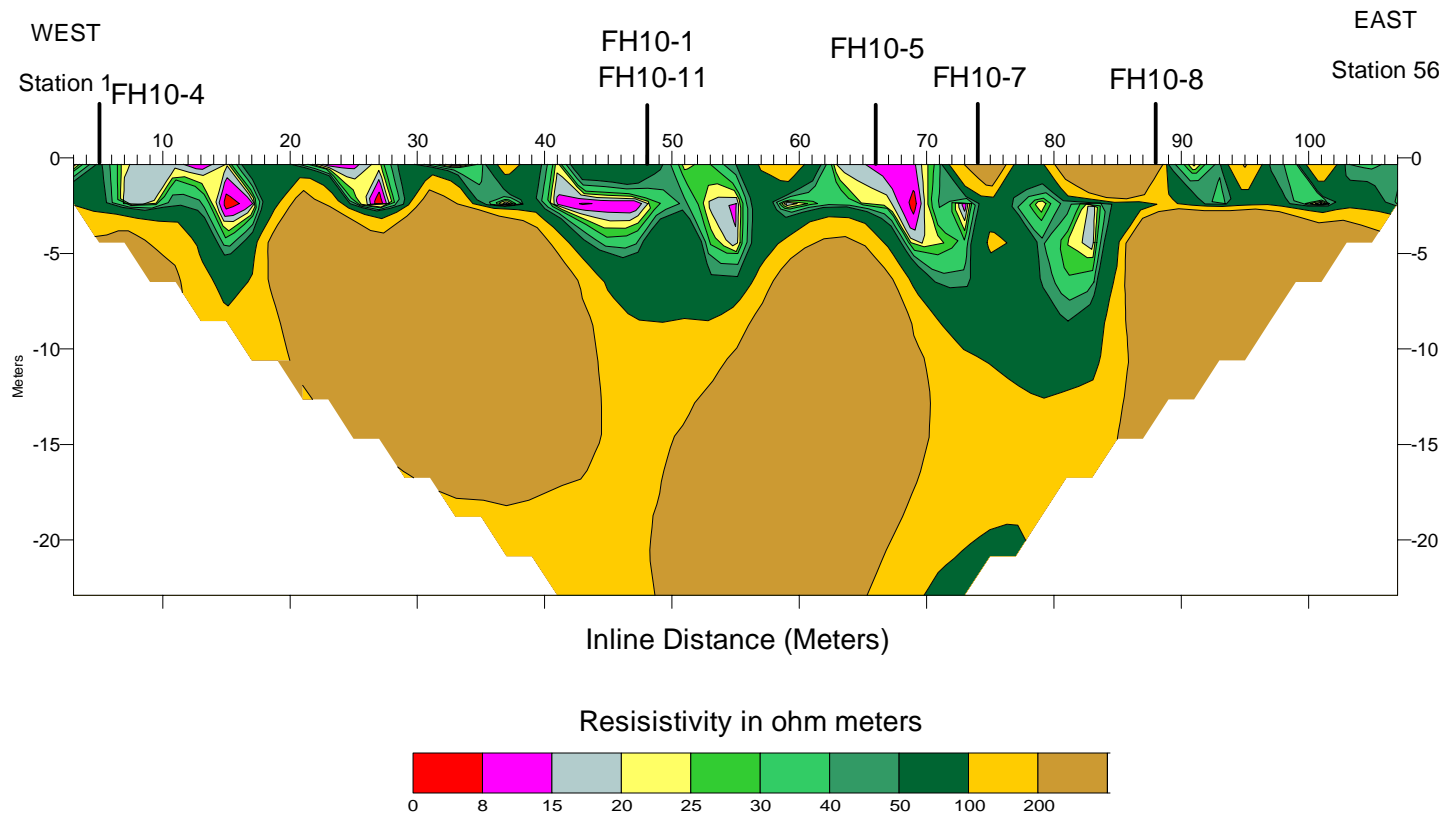


FIGURE 11

Fort Hood, Texas
SWMU FH010
Electrical Imaging Results

Traverse FH10-10

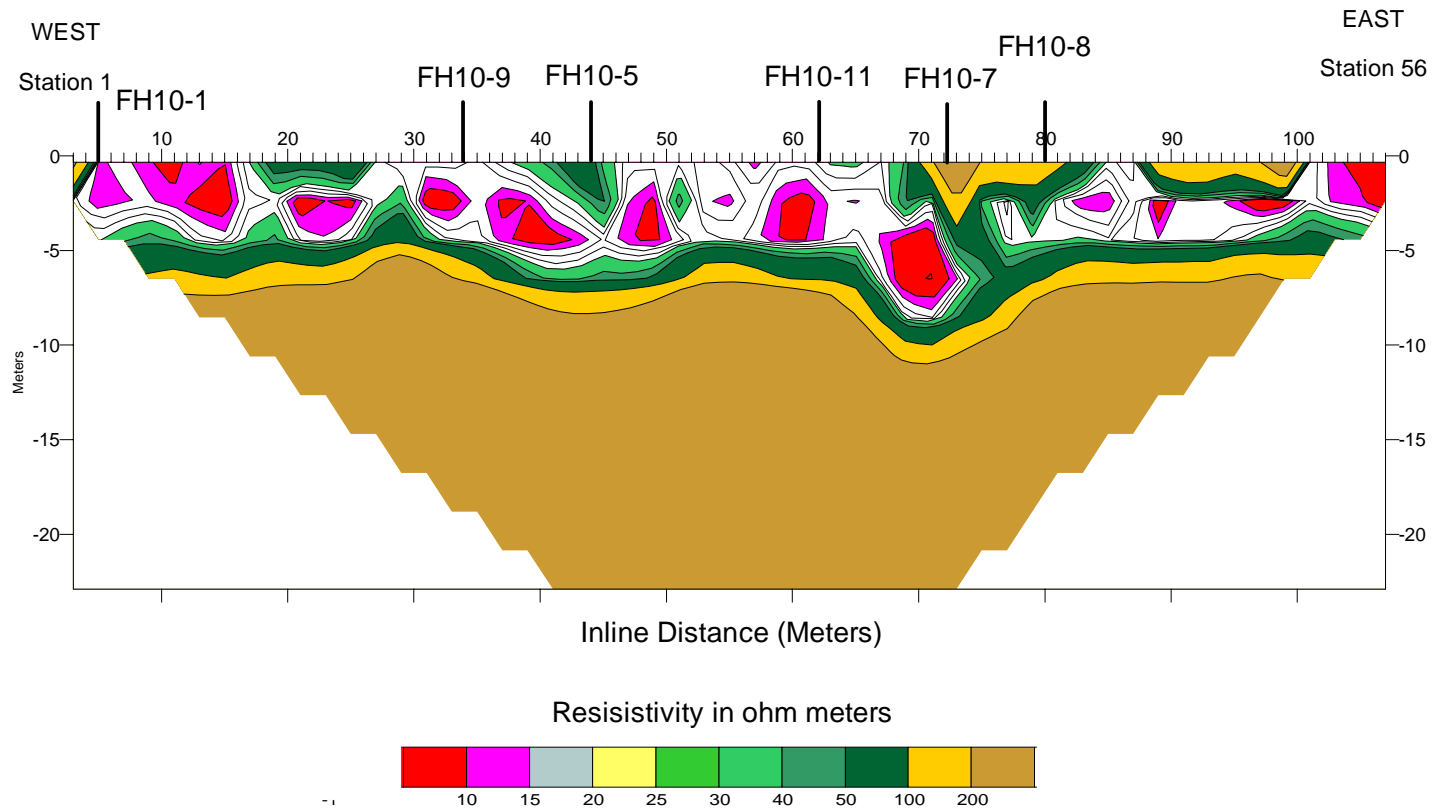
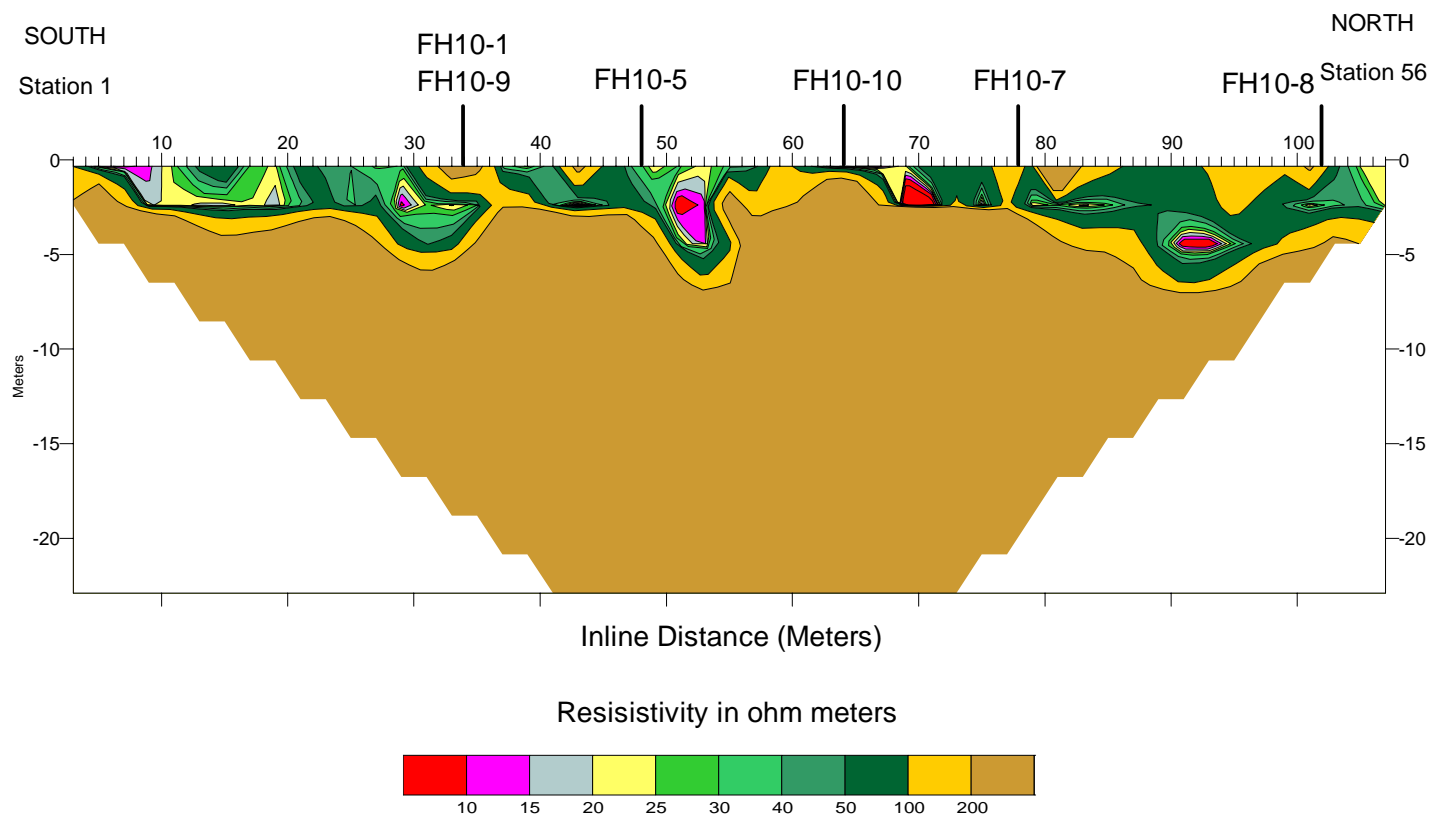


FIGURE 12
Fort Hood, Texas
SWMU FH010
Electrical Imaging Results
Traverse FH10-11



APPENDIX C

FH-010 Analytical Results

Location: PZ101

Sample ID: 10SB117

Depth: 20.0-21.0

COE Sample ID: FH010-SB117/05-12-98/20.0-21.0

Date Collected: 5/12/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	12.1	0.18			mg/kg	SW846 6010
Barium	7440-39-3	3.8	0.13			mg/kg	SW846 6010
Cadmium	7440-43-9	0.03	0.03	U	U	mg/kg	SW846 6010
Chromium	7440-47-3	2.8	0.08			mg/kg	SW846 6010
Lead	7439-92-1	4.5	0.14			mg/kg	SW846 6010
Mercury	7439-97-6	0.04	0.04	U	U	mg/kg	SW846 7471
Selenium	7782-49-2	0.26	0.23	ENB	J	mg/kg	SW846 7740
Silver	7440-22-4	0.12	0.12	U	U	mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	330	330	U	U	ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	330	330	U	U	ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	330	330	U	U	ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	330	330	U	U	ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	330	330	U	U	ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	330	330	U	U	ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	1600	1600	U	U	ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	330	330	U	U	ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	330	330	U	U	ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	330	330	U	U	ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	1600	1600	U	U	ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	330	330	U	U	ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	330	330	U	U	ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	330	330	U	U	ug/kg	SW846 8270
2-Chlorophenol	95-57-8	330	330	U	U	ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	330	330	U	U	ug/kg	SW846 8270
2-Methylphenol	95-48-7	330	330	U	U	ug/kg	SW846 8270
2-Nitroaniline	88-74-4	1600	1600	U	U	ug/kg	SW846 8270
2-Nitrophenol	88-75-5	330	330	U	U	ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	660	660	U	U	ug/kg	SW846 8270
3-Nitroaniline	99-09-2	1600	1600	U	U	ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	1600	1600	U	U	ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	330	330	U	U	ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	330	330	U	U	ug/kg	SW846 8270
4-Chloroaniline	106-47-8	330	330	U	U	ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	330	330	U	U	ug/kg	SW846 8270
4-Methylphenol	106-44-5	330	330	U	U	ug/kg	SW846 8270
4-Nitroaniline	100-01-6	1600	1600	U	U	ug/kg	SW846 8270
4-Nitrophenol	100-02-7	1600	1600	U	U	ug/kg	SW846 8270
Acenaphthene	83-32-9	330	330	U	U	ug/kg	SW846 8270
Acenaphthylene	208-96-8	330	330	U	U	ug/kg	SW846 8270
Anthracene	120-12-7	330	330	U	U	ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	330	330	U	U	ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	330	330	U	U	ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	330	330	U	U	ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	330	330	U	U	ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	330	330	U	U	ug/kg	SW846 8270
Benzoic Acid	65-85-0	1600	1600	U	U	ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	330	330	U	U	ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	330	330	U	U	ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	330	330	U	U	ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	330	330	U	U	ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	330	330	U	U	ug/kg	SW846 8270
Chrysene	218-01-9	330	330	U	U	ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	330	330	U	U	ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	330	330	U	U	ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	330	330	U	U	ug/kg	SW846 8270
Dibenzofuran	132-64-9	330	330	U	U	ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	330	330	U	U	ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	330	330	U	U	ug/kg	SW846 8270
Fluoranthene	206-44-0	330	330	U	U	ug/kg	SW846 8270
Fluorene	86-73-7	330	330	U	U	ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	330	330	U	U	ug/kg	SW846 8270

Location: PZ101
Sample ID: 10SB117 Depth: 20.0-21.0
COE Sample ID: FH010-SB117/05-12-98/20.0-21.0
Date Collected: 5/12/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Hexachlorobutadiene	87-68-3	330	330	U	U	ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	330	330	U	U	ug/kg	SW846 8270
Hexachloroethane	67-72-1	330	330	U	U	ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	330	330	U	U	ug/kg	SW846 8270
Isophorone	78-59-1	330	330	U	U	ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	330	330	U	U	ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	330	330	U	U	ug/kg	SW846 8270
Naphthalene	91-20-3	330	330	U	U	ug/kg	SW846 8270
Nitrobenzene	98-95-3	330	330	U	U	ug/kg	SW846 8270
Pentachlorophenol	87-86-5	1600	1600	U	U	ug/kg	SW846 8270
Phenanthrene	85-01-8	330	330	U	U	ug/kg	SW846 8270
Phenol	108-95-2	330	330	U	U	ug/kg	SW846 8270
Pyrene	129-00-0	330	330	U	U	ug/kg	SW846 8270
Pyridine	110-86-1	330	330	U	U	ug/kg	SW846 8270

VOLATILE ORGANICS

1,1,1,2-Tetrachloroethane	630-20-6	5	5	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	5	5	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	3	5	J	J	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	5	5	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	5	5	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	5	5	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	5	5	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	5	5	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	5	5	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	5	5	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	5	5	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	5	5	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	5	5	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	5	5	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	5	5	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	5	5	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	5	5	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	5	5	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	5	5	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	5	5	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	5	5	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	5	5	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	5	5	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	5	5	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	5	5	U	U	ug/kg	SW846 8260
Acetone	67-64-1	6	5			ug/kg	SW846 8260
Benzene	71-43-2	5	5	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	5	5	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	5	5	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	5	5	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	3	5	J	J	ug/kg	SW846 8260
Bromomethane	74-83-9	5	5	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	5	5	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	5	5	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	5	5	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	2	5	J	J	ug/kg	SW846 8260
Chloromethane	74-87-3	5	5	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	5	5	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	5	5	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	5	5	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	5	5	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	5	5	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	5	5	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	5	5	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	18	5	B	U	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	5	5	U	U	ug/kg	SW846 8260

Location: PZ101
Sample ID: 10SB117 **Depth:** 20.0-21.0
COE Sample ID: FH010-SB117/05-12-98/20.0-21.0
Date Collected: 5/12/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
n-propylbenzene	103-65-1	5	5	U	U	ug/kg	SW846 8260
Naphthalene	91-20-3	5	5	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	5	5	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	5	5	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	5	5	U	U	ug/kg	SW846 8260
Styrene	100-42-5	5	5	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	5	5	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	5	5	U	U	ug/kg	SW846 8260
Toluene	108-88-3	5	5	U	U	ug/kg	SW846 8260
Trichloroethene	79-01-6	5	5	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	5	5	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	5	5	U	U	ug/kg	SW846 8260

Location: PZ102
Sample ID: 10SB118 **Depth:** 17.0-18.5
COE Sample ID: FH010-SB118/05-13-98/17.0-18.5
Date Collected: 5/13/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	6.4	0.19			mg/kg	SW846 6010
Barium	7440-39-3	3.3	0.14			mg/kg	SW846 6010
Cadmium	7440-43-9	0.03	0.03	U	U	mg/kg	SW846 6010
Chromium	7440-47-3	1.9	0.08			mg/kg	SW846 6010
Lead	7439-92-1	4.6	0.15			mg/kg	SW846 6010
Mercury	7439-97-6	0.04	0.04	U	U	mg/kg	SW846 7471
Selenium	7782-49-2	0.25	0.24	ENB	J	mg/kg	SW846 7740
Silver	7440-22-4	0.13	0.13	U	U	mg/kg	SW846 6010

SEMIVOLATILE ORGANICS

1,2,4,5-Tetrachlorobenzene	95-94-3	340	340	U	U	ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	340	340	U	U	ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	340	340	U	U	ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	340	340	U	U	ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	340	340	U	U	ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	340	340	U	U	ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	1700	1700	U	U	ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	340	340	U	U	ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	340	340	U	U	ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	340	340	U	U	ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	1700	1700	U	U	ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	340	340	U	U	ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	340	340	U	U	ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	340	340	U	U	ug/kg	SW846 8270
2-Chlorophenol	95-57-8	340	340	U	U	ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	340	340	U	U	ug/kg	SW846 8270
2-Methylphenol	95-48-7	340	340	U	U	ug/kg	SW846 8270
2-Nitroaniline	88-74-4	1700	1700	U	U	ug/kg	SW846 8270
2-Nitrophenol	88-75-5	340	340	U	U	ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	690	690	U	U	ug/kg	SW846 8270
3-Nitroaniline	99-09-2	1700	1700	U	U	ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	1700	1700	U	U	ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	340	340	U	U	ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	340	340	U	U	ug/kg	SW846 8270
4-Chloroaniline	106-47-8	340	340	U	U	ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	340	340	U	U	ug/kg	SW846 8270
4-Methylphenol	106-44-5	340	340	U	U	ug/kg	SW846 8270
4-Nitroaniline	100-01-6	1700	1700	U	U	ug/kg	SW846 8270
4-Nitrophenol	100-02-7	1700	1700	U	U	ug/kg	SW846 8270

Location: PZ102

Sample ID: 10SB118

Depth: 17.0-18.5

COE Sample ID: FH010-SB118/05-13-98/17.0-18.5

Date Collected: 5/13/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Acenaphthene	83-32-9	340	340	U	U	ug/kg	SW846 8270
Acenaphthylene	208-96-8	340	340	U	U	ug/kg	SW846 8270
Anthracene	120-12-7	340	340	U	U	ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	340	340	U	U	ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	340	340	U	U	ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	340	340	U	U	ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	340	340	U	U	ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	340	340	U	U	ug/kg	SW846 8270
Benzoic Acid	65-85-0	1700	1700	U	U	ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	340	340	U	U	ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	340	340	U	U	ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	340	340	U	U	ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	340	340	U	U	ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	340	340	U	U	ug/kg	SW846 8270
Chrysene	218-01-9	340	340	U	U	ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	340	340	U	U	ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	340	340	U	U	ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	340	340	U	U	ug/kg	SW846 8270
Dibenzofuran	132-64-9	340	340	U	U	ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	340	340	U	U	ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	340	340	U	U	ug/kg	SW846 8270
Fluoranthene	206-44-0	340	340	U	U	ug/kg	SW846 8270
Fluorene	86-73-7	340	340	U	U	ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	340	340	U	U	ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	340	340	U	U	ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	340	340	U	U	ug/kg	SW846 8270
Hexachloroethane	67-72-1	340	340	U	U	ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	340	340	U	U	ug/kg	SW846 8270
Isophorone	78-59-1	340	340	U	U	ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	340	340	U	U	ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	340	340	U	U	ug/kg	SW846 8270
Naphthalene	91-20-3	340	340	U	U	ug/kg	SW846 8270
Nitrobenzene	98-95-3	340	340	U	U	ug/kg	SW846 8270
Pentachlorophenol	87-86-5	1700	1700	U	U	ug/kg	SW846 8270
Phenanthrene	85-01-8	340	340	U	U	ug/kg	SW846 8270
Phenol	108-95-2	340	340	U	U	ug/kg	SW846 8270
Pyrene	129-00-0	340	340	U	U	ug/kg	SW846 8270
Pyridine	110-86-1	340	340	U	U	ug/kg	SW846 8270

VOLATILE ORGANICS

1,1,1,2-Tetrachloroethane	630-20-6	5	5	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	5	5	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	5	5	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	5	5	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	5	5	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	5	5	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	5	5	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	5	5	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	5	5	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	5	5	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	5	5	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	5	5	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	5	5	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	5	5	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	5	5	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	5	5	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	5	5	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	5	5	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	5	5	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	5	5	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	5	5	U	U	ug/kg	SW846 8260

Location: PZ102

Sample ID: 10SB118

Depth: 17.0-18.5

COE Sample ID: FH010-SB118/05-13-98/17.0-18.5

Date Collected: 5/13/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
2-Hexanone	591-78-6	5	5	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	5	5	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	5	5	U	U	ug/kg	SW846 8260
Acetone	67-64-1	2	5	J	J	ug/kg	SW846 8260
Benzene	71-43-2	5	5	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	5	5	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	5	5	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	5	5	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	3	5	J	J	ug/kg	SW846 8260
Bromomethane	74-83-9	5	5	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	5	5	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	5	5	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	5	5	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	5	5	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	5	5	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	5	5	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	5	5	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	5	5	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	5	5	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	5	5	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	5	5	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	5	5	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	17	5	B	U	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	6	5			ug/kg	SW846 8260
n-propylbenzene	103-65-1	4	5	J	J	ug/kg	SW846 8260
Naphthalene	91-20-3	5	5	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	5	5	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	5	5	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	4	5	J	J	ug/kg	SW846 8260
Styrene	100-42-5	5	5	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	5	5	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	5	5	U	U	ug/kg	SW846 8260
Toluene	108-88-3	4	5	J	J	ug/kg	SW846 8260
Trichloroethene	79-01-6	5	5	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	5	5	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	5	5	U	U	ug/kg	SW846 8260

Location: PZ103

Sample ID: 10SB119

Depth: 20.0-20.5

COE Sample ID: FH010-SB119/05-13-98/20.0-20.5

Date Collected: 5/13/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	2.7	0.18			mg/kg	SW846 6010
Barium	7440-39-3	5.1	0.13			mg/kg	SW846 6010
Cadmium	7440-43-9	0.03	0.03	U	U	mg/kg	SW846 6010
Chromium	7440-47-3	2.8	0.08			mg/kg	SW846 6010
Lead	7439-92-1	2.8	0.14			mg/kg	SW846 6010
Mercury	7439-97-6	0.04	0.04	U	U	mg/kg	SW846 7471
Selenium	7782-49-2	0.23	0.23	U	U	mg/kg	SW846 7740
Silver	7440-22-4	0.12	0.12	U	U	mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	320	320	U	U	ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	320	320	U	U	ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	320	320	U	U	ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	320	320	U	U	ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	320	320	U	U	ug/kg	SW846 8270

Location: PZ103
Sample ID: 10SB119 Depth: 20.0-20.5
COE Sample ID: FH010-SB119/05-13-98/20.0-20.5
Date Collected: 5/13/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
2,2'-oxybis(1-chloropropane)	108-60-1	320	320	U	U	ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	1600	1600	U	U	ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	320	320	U	U	ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	320	320	U	U	ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	320	320	U	U	ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	1600	1600	U	U	ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	320	320	U	U	ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	320	320	U	U	ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	320	320	U	U	ug/kg	SW846 8270
2-Chlorophenol	95-57-8	320	320	U	U	ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	320	320	U	U	ug/kg	SW846 8270
2-Methylphenol	95-48-7	320	320	U	U	ug/kg	SW846 8270
2-Nitroaniline	88-74-4	1600	1600	U	U	ug/kg	SW846 8270
2-Nitrophenol	88-75-5	320	320	U	U	ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	650	650	U	U	ug/kg	SW846 8270
3-Nitroaniline	99-09-2	1600	1600	U	U	ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	1600	1600	U	U	ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	320	320	U	U	ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	320	320	U	U	ug/kg	SW846 8270
4-Chloroaniline	106-47-8	320	320	U	U	ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	320	320	U	U	ug/kg	SW846 8270
4-Methylphenol	106-44-5	320	320	U	U	ug/kg	SW846 8270
4-Nitroaniline	100-01-6	1600	1600	U	U	ug/kg	SW846 8270
4-Nitrophenol	100-02-7	1600	1600	U	U	ug/kg	SW846 8270
Acenaphthene	83-32-9	320	320	U	U	ug/kg	SW846 8270
Acenaphthylene	208-96-8	320	320	U	U	ug/kg	SW846 8270
Anthracene	120-12-7	320	320	U	U	ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	320	320	U	U	ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	320	320	U	U	ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	320	320	U	U	ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	320	320	U	U	ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	320	320	U	U	ug/kg	SW846 8270
Benzoic Acid	65-85-0	1600	1600	U	U	ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	320	320	U	U	ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	320	320	U	U	ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	320	320	U	U	ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	320	320	U	U	ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	320	320	U	U	ug/kg	SW846 8270
Chrysene	218-01-9	320	320	U	U	ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	320	320	U	U	ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	320	320	U	U	ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	320	320	U	U	ug/kg	SW846 8270
Dibenzofuran	132-64-9	320	320	U	U	ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	320	320	U	U	ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	320	320	U	U	ug/kg	SW846 8270
Fluoranthene	206-44-0	320	320	U	U	ug/kg	SW846 8270
Fluorene	86-73-7	320	320	U	U	ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	320	320	U	U	ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	320	320	U	U	ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	320	320	U	U	ug/kg	SW846 8270
Hexachloroethane	67-72-1	320	320	U	U	ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	320	320	U	U	ug/kg	SW846 8270
Isophorone	78-59-1	320	320	U	U	ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	320	320	U	U	ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	320	320	U	U	ug/kg	SW846 8270
Naphthalene	91-20-3	320	320	U	U	ug/kg	SW846 8270
Nitrobenzene	98-95-3	320	320	U	U	ug/kg	SW846 8270
Pentachlorophenol	87-86-5	1600	1600	U	U	ug/kg	SW846 8270
Phenanthrene	85-01-8	320	320	U	U	ug/kg	SW846 8270
Phenol	108-95-2	320	320	U	U	ug/kg	SW846 8270
Pyrene	129-00-0	320	320	U	U	ug/kg	SW846 8270
Pyridine	110-86-1	320	320	U	U	ug/kg	SW846 8270

VOLATILE ORGANICS

1,1,1,2-Tetrachloroethane	630-20-6	5	5	U	U	ug/kg	SW846 8260
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Location: PZ103
Sample ID: 10SB119 Depth: 20.0-20.5
COE Sample ID: FH010-SB119/05-13-98/20.0-20.5
Date Collected: 5/13/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
1,1,1-Trichloroethane	71-55-6	5	5	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	5	5	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	5	5	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	5	5	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	5	5	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	5	5	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	5	5	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	5	5	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	5	5	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	5	5	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	5	5	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	5	5	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	5	5	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	5	5	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	5	5	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	5	5	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	5	5	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	5	5	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	5	5	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	5	5	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	5	5	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	5	5	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	5	5	U	U	ug/kg	SW846 8260
Acetone	67-64-1	5	5	U	U	ug/kg	SW846 8260
Benzene	71-43-2	5	5	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	5	5	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	5	5	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	5	5	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	3	5	J	J	ug/kg	SW846 8260
Bromomethane	74-83-9	5	5	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	5	5	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	5	5	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	5	5	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	5	5	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	5	5	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	5	5	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	5	5	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	5	5	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	5	5	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	5	5	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	5	5	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	3	5	J	J	ug/kg	SW846 8260
Methylene Chloride	75-09-2	14	5	B	U	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	5	5	U	U	ug/kg	SW846 8260
n-propylbenzene	103-65-1	5	5	U	U	ug/kg	SW846 8260
Naphthalene	91-20-3	5	5	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	5	5	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	5	5	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	5	5	U	U	ug/kg	SW846 8260
Styrene	100-42-5	5	5	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	5	5	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	5	5	U	U	ug/kg	SW846 8260
Toluene	108-88-3	2	5	J	J	ug/kg	SW846 8260
Trichloroethene	79-01-6	5	5	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	5	5	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	5	5	U	U	ug/kg	SW846 8260

Location: PZ103
Sample ID: 10PZ101 Depth: NA
COE Sample ID: FH010-PZ101/06-02-98
Date Collected: 6/2/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	2.9	2.9	U	U	ug/l	SW846 6010
Barium	7440-39-3	148	0.6			ug/l	SW846 6010
Cadmium	7440-43-9	0.3	0.3	U	U	ug/l	SW846 6010
Chromium	7440-47-3	5.7	0.7	B		ug/l	SW846 6010
Lead	7439-92-1	1.5	1.5	U	U	ug/l	SW846 6010
Mercury	7439-97-6	0.1	0.1	NU	UJ	ug/l	SW846 7470
Selenium	7782-49-2	2.2	2.2	WNU	UJ	ug/l	SW846 7740
Silver	7440-22-4	1.4	1.4	U	U	ug/l	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	10	10	U	U	ug/l	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	10	10	U	U	ug/l	SW846 8270
1,2-Dichlorobenzene	95-50-1	10	10	U	U	ug/l	SW846 8270
1,3-Dichlorobenzene	541-73-1	10	10	U	U	ug/l	SW846 8270
1,4-Dichlorobenzene	106-46-7	10	10	U	U	ug/l	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	10	10	U	U	ug/l	SW846 8270
2,4,5-Trichlorophenol	95-95-4	50	50	U	U	ug/l	SW846 8270
2,4,6-Trichlorophenol	88-06-2	10	10	U	U	ug/l	SW846 8270
2,4-Dichlorophenol	120-83-2	10	10	U	U	ug/l	SW846 8270
2,4-Dimethylphenol	105-67-9	10	10	U	U	ug/l	SW846 8270
2,4-Dinitrophenol	51-28-5	50	50	U	U	ug/l	SW846 8270
2,4-Dinitrotoluene	121-14-2	10	10	U	U	ug/l	SW846 8270
2,6-Dinitrotoluene	606-20-2	10	10	U	U	ug/l	SW846 8270
2-Chloronaphthalene	91-58-7	10	10	U	U	ug/l	SW846 8270
2-Chlorophenol	95-57-8	10	10	U	U	ug/l	SW846 8270
2-Methylnaphthalene	91-57-6	10	10	U	U	ug/l	SW846 8270
2-Methylphenol	95-48-7	10	10	U	U	ug/l	SW846 8270
2-Nitroaniline	88-74-4	50	50	U	U	ug/l	SW846 8270
2-Nitrophenol	88-75-5	10	10	U	U	ug/l	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	20	20	U	U	ug/l	SW846 8270
3-Nitroaniline	99-09-2	50	50	U	U	ug/l	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	50	50	U	U	ug/l	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	10	10	U	U	ug/l	SW846 8270
4-chloro-3-methylphenol	59-50-7	10	10	U	U	ug/l	SW846 8270
4-Chloroaniline	106-47-8	10	10	U	U	ug/l	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	10	10	U	U	ug/l	SW846 8270
4-Methylphenol	106-44-5	10	10	U	U	ug/l	SW846 8270
4-Nitroaniline	100-01-6	50	50	U	U	ug/l	SW846 8270
4-Nitrophenol	100-02-7	50	50	U	U	ug/l	SW846 8270
Acenaphthene	83-32-9	10	10	U	U	ug/l	SW846 8270
Acenaphthylene	208-96-8	10	10	U	U	ug/l	SW846 8270
Anthracene	120-12-7	10	10	U	U	ug/l	SW846 8270
Benzo(a)anthracene	56-55-3	10	10	U	U	ug/l	SW846 8270
Benzo(a)pyrene	50-32-8	10	10	U	U	ug/l	SW846 8270
Benzo(b)fluoranthene	205-99-2	10	10	U	U	ug/l	SW846 8270
Benzo(g,h,i)perylene	191-24-2	10	10	U	U	ug/l	SW846 8270
Benzo(k)fluoranthene	207-08-9	10	10	U	U	ug/l	SW846 8270
Benzoic Acid	65-85-0	5	50	J	J	ug/l	SW846 8270
Benzyl Alcohol	100-51-6	10	10	U	U	ug/l	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	10	10	U	U	ug/l	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	10	10	U	U	ug/l	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	2	10	J	J	ug/l	SW846 8270
Butyl Benzyl Phthalate	85-68-7	10	10	U	U	ug/l	SW846 8270
Chrysene	218-01-9	10	10	U	U	ug/l	SW846 8270
Di-n-butyl Phthalate	84-74-2	1	10	J	J	ug/l	SW846 8270
Di-n-octyl Phthalate	117-84-0	10	10	U	U	ug/l	SW846 8270
Dibenz(a,h)anthracene	53-70-3	10	10	U	U	ug/l	SW846 8270
Dibenzofuran	132-64-9	10	10	U	U	ug/l	SW846 8270
Diethyl Phthalate	84-66-2	10	10	U	U	ug/l	SW846 8270
Dimethyl Phthalate	131-11-3	10	10	U	U	ug/l	SW846 8270
Fluoranthene	206-44-0	10	10	U	U	ug/l	SW846 8270
Fluorene	86-73-7	10	10	U	U	ug/l	SW846 8270
Hexachlorobenzene	118-74-1	10	10	U	U	ug/l	SW846 8270

Location: PZ103
Sample ID: 10PZ101 Depth: NA
COE Sample ID: FH010-PZ101/06-02-98
Date Collected: 6/2/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Hexachlorobutadiene	87-68-3	10	10	U	U	ug/l	SW846 8270
Hexachlorocyclopentadiene	77-47-4	10	10	U	U	ug/l	SW846 8270
Hexachloroethane	67-72-1	10	10	U	U	ug/l	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	10	10	U	U	ug/l	SW846 8270
Isophorone	78-59-1	10	10	U	U	ug/l	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	10	10	U	U	ug/l	SW846 8270
N-Nitrosodiphenylamine	86-30-6	10	10	U	U	ug/l	SW846 8270
Naphthalene	91-20-3	10	10	U	U	ug/l	SW846 8270
Nitrobenzene	98-95-3	10	10	U	U	ug/l	SW846 8270
Pentachlorophenol	87-86-5	50	50	U	U	ug/l	SW846 8270
Phenanthrene	85-01-8	10	10	U	U	ug/l	SW846 8270
Phenol	108-95-2	10	10	U	U	ug/l	SW846 8270
Pyrene	129-00-0	10	10	U	U	ug/l	SW846 8270
Pyridine	110-86-1	10	10	U	U	ug/l	SW846 8270

VOLATILE ORGANICS

1,1,1,2-Tetrachloroethane	630-20-6	5	5	U	U	ug/l	SW846 8260
1,1,1-Trichloroethane	71-55-6	5	5	U	U	ug/l	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U	U	ug/l	SW846 8260
1,1,2-Trichloroethane	79-00-5	5	5	U	U	ug/l	SW846 8260
1,1-Dichloroethane	75-34-3	5	5	U	U	ug/l	SW846 8260
1,1-Dichloroethene	75-35-4	5	5	U	U	ug/l	SW846 8260
1,1-Dichloropropene	563-58-6	5	5	U	U	ug/l	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	5	5	U	U	ug/l	SW846 8260
1,2,3-Trichloropropane	96-18-4	5	5	U	U	ug/l	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	5	5	U	U	ug/l	SW846 8260
1,2,4-trimethylbenzene	95-63-6	5	5	U	U	ug/l	SW846 8260
1,2-cis-Dichloroethene	156-59-2	5	5	U	U	ug/l	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	5	5	U	U	ug/l	SW846 8260
1,2-Dibromoethane	106-93-4	5	5	U	U	ug/l	SW846 8260
1,2-Dichlorobenzene	95-50-1	5	5	U	U	ug/l	SW846 8260
1,2-Dichloroethane	107-06-2	5	5	U	U	ug/l	SW846 8260
1,2-Dichloropropane	78-87-5	5	5	U	U	ug/l	SW846 8260
1,2-trans-Dichloroethene	156-60-5	5	5	U	U	ug/l	SW846 8260
1,3,5-trimethylbenzene	108-67-8	5	5	U	U	ug/l	SW846 8260
1,3-Dichlorobenzene	541-73-1	5	5	U	U	ug/l	SW846 8260
1,3-Dichloropropane	142-28-9	5	5	U	U	ug/l	SW846 8260
1,4-Dichlorobenzene	106-46-7	5	5	U	U	ug/l	SW846 8260
2,2-Dichloropropane	594-20-7	5	5	U	U	ug/l	SW846 8260
2-Butanone	78-93-3	5	5	U	U	ug/l	SW846 8260
2-Chlorotoluene	95-49-8	5	5	U	U	ug/l	SW846 8260
2-Hexanone	591-78-6	5	5	U	U	ug/l	SW846 8260
4-Chlorotoluene	106-43-4	5	5	U	U	ug/l	SW846 8260
4-Methyl-2-pentanone	108-10-1	5	5	U	U	ug/l	SW846 8260
Acetone	67-64-1	5	5	U	U	ug/l	SW846 8260
Benzene	71-43-2	5	5	U	U	ug/l	SW846 8260
Bromobenzene	108-86-1	5	5	U	U	ug/l	SW846 8260
Bromochloromethane	74-97-5	5	5	U	U	ug/l	SW846 8260
Bromodichloromethane	75-27-4	5	5	U	U	ug/l	SW846 8260
Bromoform	75-25-2	5	5	U	U	ug/l	SW846 8260
Bromomethane	74-83-9	5	5	U	U	ug/l	SW846 8260
Carbon Tetrachloride	56-23-5	5	5	U	U	ug/l	SW846 8260
Chlorobenzene	108-90-7	6	5			ug/l	SW846 8260
Chloroethane	75-00-3	5	5	U	U	ug/l	SW846 8260
Chloroform	67-66-3	5	5	U	U	ug/l	SW846 8260
Chloromethane	74-87-3	5	5	U	U	ug/l	SW846 8260
Dibromochloromethane	124-48-1	5	5	U	U	ug/l	SW846 8260
Dibromomethane	74-95-3	5	5	U	U	ug/l	SW846 8260
Dichlorodifluoromethane	75-71-8	5	5	U	U	ug/l	SW846 8260
Ethylbenzene	100-41-4	5	5	U	U	ug/l	SW846 8260
Hexachlorobutadiene	87-68-3	5	5	U	U	ug/l	SW846 8260
Isopropyl Benzene	98-82-8	5	5	U	U	ug/l	SW846 8260
m,p-Xylene	13-302-07	5	5	U	U	ug/l	SW846 8260
Methylene Chloride	75-09-2	5	5	U	U	ug/l	SW846 8260
n-Butylbenzene	104-51-8	5	5	U	U	ug/l	SW846 8260

Location: PZ103
Sample ID: 10PZ101 Depth: NA
COE Sample ID: FH010-PZ101/06-02-98
Date Collected: 6/2/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
n-propylbenzene	103-65-1	5	5	U	U	ug/l	SW846 8260
Naphthalene	91-20-3	5	5	U	U	ug/l	SW846 8260
o-Xylene	95-47-6	5	5	U	U	ug/l	SW846 8260
p-Isopropyltoluene	99-87-6	5	5	U	U	ug/l	SW846 8260
sec-Butylbenzene	135-98-8	5	5	U	U	ug/l	SW846 8260
Styrene	100-42-5	5	5	U	U	ug/l	SW846 8260
tert-Butylbenzene	98-06-6	5	5	U	U	ug/l	SW846 8260
Tetrachloroethene	127-18-4	5	5	U	U	ug/l	SW846 8260
Toluene	108-88-3	5	5	U	U	ug/l	SW846 8260
Trichloroethene	79-01-6	5	5	U	U	ug/l	SW846 8260
Trichlorofluoromethane	75-69-4	5	5	U	U	ug/l	SW846 8260
Vinyl Chloride	75-01-4	5	5	U	U	ug/l	SW846 8260

Location: PZ104
Sample ID: 10SB120 Depth: 15.0-15.5
COE Sample ID: FH010-SB120/05-19-98/15.0-15.5
Date Collected: 5/19/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	4.5	0.19			mg/kg	SW846 6010
Barium	7440-39-3	3.9	0.14			mg/kg	SW846 6010
Cadmium	7440-43-9	0.03	0.03	U	U	mg/kg	SW846 6010
Chromium	7440-47-3	2.5	0.08			mg/kg	SW846 6010
Lead	7439-92-1	3.7	0.15			mg/kg	SW846 6010
Mercury	7439-97-6	0.04	0.04	U	U	mg/kg	SW846 7471
Selenium	7782-49-2	0.23	0.23	WNU	UJ	mg/kg	SW846 7740
Silver	7440-22-4	0.13	0.13	U	U	mg/kg	SW846 6010

SEMIVOLATILE ORGANICS

1,2,4,5-Tetrachlorobenzene	95-94-3	340	340	U	U	ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	340	340	U	U	ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	340	340	U	U	ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	340	340	U	U	ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	340	340	U	U	ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	340	340	U	U	ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	1700	1700	U	U	ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	340	340	U	U	ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	340	340	U	U	ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	340	340	U	U	ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	1700	1700	U	U	ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	340	340	U	U	ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	340	340	U	U	ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	340	340	U	U	ug/kg	SW846 8270
2-Chlorophenol	95-57-8	340	340	U	U	ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	340	340	U	U	ug/kg	SW846 8270
2-Methylphenol	95-48-7	340	340	U	U	ug/kg	SW846 8270
2-Nitroaniline	88-74-4	1700	1700	U	U	ug/kg	SW846 8270
2-Nitrophenol	88-75-5	340	340	U	U	ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	690	690	U	U	ug/kg	SW846 8270
3-Nitroaniline	99-09-2	1700	1700	U	U	ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	1700	1700	U	U	ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	340	340	U	U	ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	340	340	U	U	ug/kg	SW846 8270
4-Chloroaniline	106-47-8	340	340	U	U	ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	340	340	U	U	ug/kg	SW846 8270
4-Methylphenol	106-44-5	340	340	U	U	ug/kg	SW846 8270
4-Nitroaniline	100-01-6	1700	1700	U	U	ug/kg	SW846 8270
4-Nitrophenol	100-02-7	1700	1700	U	U	ug/kg	SW846 8270

Location: PZ104
Sample ID: 10SB120 Depth: 15.0-15.5
COE Sample ID: FH010-SB120/05-19-98/15.0-15.5
Date Collected: 5/19/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Acenaphthene	83-32-9	340	340	U	U	ug/kg	SW846 8270
Acenaphthylene	208-96-8	340	340	U	U	ug/kg	SW846 8270
Anthracene	120-12-7	340	340	U	U	ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	340	340	U	U	ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	340	340	U	U	ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	340	340	U	U	ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	340	340	U	U	ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	340	340	U	U	ug/kg	SW846 8270
Benzoic Acid	65-85-0	1700	1700	U	U	ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	340	340	U	U	ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	340	340	U	U	ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	340	340	U	U	ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	340	340	U	U	ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	340	340	U	U	ug/kg	SW846 8270
Chrysene	218-01-9	340	340	U	U	ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	340	340	U	U	ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	340	340	U	U	ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	340	340	U	U	ug/kg	SW846 8270
Dibenzofuran	132-64-9	340	340	U	U	ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	340	340	U	U	ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	340	340	U	U	ug/kg	SW846 8270
Fluoranthene	206-44-0	340	340	U	U	ug/kg	SW846 8270
Fluorene	86-73-7	340	340	U	U	ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	340	340	U	U	ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	340	340	U	U	ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	340	340	U	U	ug/kg	SW846 8270
Hexachloroethane	67-72-1	340	340	U	U	ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	340	340	U	U	ug/kg	SW846 8270
Isophorone	78-59-1	340	340	U	U	ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	340	340	U	U	ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	340	340	U	U	ug/kg	SW846 8270
Naphthalene	91-20-3	340	340	U	U	ug/kg	SW846 8270
Nitrobenzene	98-95-3	340	340	U	U	ug/kg	SW846 8270
Pentachlorophenol	87-86-5	1700	1700	U	U	ug/kg	SW846 8270
Phenanthrene	85-01-8	340	340	U	U	ug/kg	SW846 8270
Phenol	108-95-2	340	340	U	U	ug/kg	SW846 8270
Pyrene	129-00-0	340	340	U	U	ug/kg	SW846 8270
Pyridine	110-86-1	340	340	U	U	ug/kg	SW846 8270

VOLATILE ORGANICS

1,1,1,2-Tetrachloroethane	630-20-6	5	5	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	5	5	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	5	5	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	5	5	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	5	5	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	5	5	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	5	5	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	5	5	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	5	5	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	5	5	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	5	5	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	5	5	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	5	5	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	5	5	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	5	5	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	5	5	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	5	5	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	5	5	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	5	5	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	5	5	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	5	5	U	U	ug/kg	SW846 8260

Location: PZ104
Sample ID: 10SB120 **Depth:** 15.0-15.5
COE Sample ID: FH010-SB120/05-19-98/15.0-15.5
Date Collected: 5/19/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
2-Hexanone	591-78-6	5	5	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	5	5	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	5	5	U	U	ug/kg	SW846 8260
Acetone	67-64-1	9	5			ug/kg	SW846 8260
Benzene	71-43-2	5	5	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	5	5	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	5	5	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	5	5	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	3	5	J	J	ug/kg	SW846 8260
Bromomethane	74-83-9	5	5	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	5	5	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	5	5	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	5	5	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	5	5	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	5	5	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	5	5	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	5	5	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	5	5	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	5	5	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	5	5	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	5	5	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	5	5	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	12	5			ug/kg	SW846 8260
n-Butylbenzene	104-51-8	5	5	U	U	ug/kg	SW846 8260
n-propylbenzene	103-65-1	5	5	U	U	ug/kg	SW846 8260
Naphthalene	91-20-3	5	5	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	5	5	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	5	5	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	5	5	U	U	ug/kg	SW846 8260
Styrene	100-42-5	5	5	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	5	5	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	5	5	U	U	ug/kg	SW846 8260
Toluene	108-88-3	5	5	U	U	ug/kg	SW846 8260
Trichloroethene	79-01-6	5	5	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	5	5	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	5	5	U	U	ug/kg	SW846 8260

Location: PZ104
Sample ID: 10PZ102 **Depth:** NA
COE Sample ID: FH010-PZ102/06-02-98
Date Collected: 6/2/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	2.9	2.9	U	U	ug/l	SW846 6010
Barium	7440-39-3	76.9	0.6			ug/l	SW846 6010
Cadmium	7440-43-9	0.3	0.3	NU	UJ	ug/l	SW846 6010
Chromium	7440-47-3	3.2	0.7	NB	UJ	ug/l	SW846 6010
Lead	7439-92-1	1.6	1.5	B		ug/l	SW846 6010
Mercury	7439-97-6	0.1	0.1	*U	UJ	ug/l	SW846 7470
Selenium	7782-49-2	2.2	2.2	U	U	ug/l	SW846 7740
Silver	7440-22-4	1.4	1.4	U	U	ug/l	SW846 6010

SEMIVOLATILE ORGANICS

1,2,4,5-Tetrachlorobenzene	95-94-3	10	10	U	U	ug/l	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	10	10	U	U	ug/l	SW846 8270
1,2-Dichlorobenzene	95-50-1	10	10	U	U	ug/l	SW846 8270
1,3-Dichlorobenzene	541-73-1	10	10	U	U	ug/l	SW846 8270
1,4-Dichlorobenzene	106-46-7	10	10	U	U	ug/l	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	10	10	U	U	ug/l	SW846 8270

Location: PZ104
Sample ID: 10PZ102 Depth: NA
COE Sample ID: FH010-PZ102/06-02-98
Date Collected: 6/2/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
2,4,5-Trichlorophenol	95-95-4	50	50	U	U	ug/l	SW846 8270
2,4,6-Trichlorophenol	88-06-2	10	10	U	U	ug/l	SW846 8270
2,4-Dichlorophenol	120-83-2	10	10	U	U	ug/l	SW846 8270
2,4-Dimethylphenol	105-67-9	10	10	U	U	ug/l	SW846 8270
2,4-Dinitrophenol	51-28-5	50	50	U	U	ug/l	SW846 8270
2,4-Dinitrotoluene	121-14-2	10	10	U	U	ug/l	SW846 8270
2,6-Dinitrotoluene	606-20-2	10	10	U	U	ug/l	SW846 8270
2-Chloronaphthalene	91-58-7	10	10	U	U	ug/l	SW846 8270
2-Chlorophenol	95-57-8	10	10	U	U	ug/l	SW846 8270
2-Methylnaphthalene	91-57-6	10	10	U	U	ug/l	SW846 8270
2-Methylphenol	95-48-7	10	10	U	U	ug/l	SW846 8270
2-Nitroaniline	88-74-4	50	50	U	U	ug/l	SW846 8270
2-Nitrophenol	88-75-5	10	10	U	U	ug/l	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	20	20	U	U	ug/l	SW846 8270
3-Nitroaniline	99-09-2	50	50	U	U	ug/l	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	50	50	U	U	ug/l	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	10	10	U	U	ug/l	SW846 8270
4-chloro-3-methylphenol	59-50-7	10	10	U	U	ug/l	SW846 8270
4-Chloroaniline	106-47-8	10	10	U	U	ug/l	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	10	10	U	U	ug/l	SW846 8270
4-Methylphenol	106-44-5	10	10	U	U	ug/l	SW846 8270
4-Nitroaniline	100-01-6	50	50	U	U	ug/l	SW846 8270
4-Nitrophenol	100-02-7	50	50	U	U	ug/l	SW846 8270
Acenaphthene	83-32-9	10	10	U	U	ug/l	SW846 8270
Acenaphthylene	208-96-8	10	10	U	U	ug/l	SW846 8270
Anthracene	120-12-7	10	10	U	U	ug/l	SW846 8270
Benzo(a)anthracene	56-55-3	10	10	U	U	ug/l	SW846 8270
Benzo(a)pyrene	50-32-8	10	10	U	U	ug/l	SW846 8270
Benzo(b)fluoranthene	205-99-2	10	10	U	U	ug/l	SW846 8270
Benzo(g,h,i)perylene	191-24-2	10	10	U	U	ug/l	SW846 8270
Benzo(k)fluoranthene	207-08-9	10	10	U	U	ug/l	SW846 8270
Benzoic Acid	65-85-0	50	50	U	U	ug/l	SW846 8270
Benzyl Alcohol	100-51-6	10	10	U	U	ug/l	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	10	10	U	U	ug/l	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	10	10	U	U	ug/l	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	10	10	U	U	ug/l	SW846 8270
Butyl Benzyl Phthalate	85-68-7	10	10	U	U	ug/l	SW846 8270
Chrysene	218-01-9	10	10	U	U	ug/l	SW846 8270
Di-n-butyl Phthalate	84-74-2	10	10	U	U	ug/l	SW846 8270
Di-n-octyl Phthalate	117-84-0	10	10	U	U	ug/l	SW846 8270
Dibenz(a,h)anthracene	53-70-3	10	10	U	U	ug/l	SW846 8270
Dibenzofuran	132-64-9	10	10	U	U	ug/l	SW846 8270
Diethyl Phthalate	84-66-2	10	10	U	U	ug/l	SW846 8270
Dimethyl Phthalate	131-11-3	10	10	U	U	ug/l	SW846 8270
Fluoranthene	206-44-0	10	10	U	U	ug/l	SW846 8270
Fluorene	86-73-7	10	10	U	U	ug/l	SW846 8270
Hexachlorobenzene	118-74-1	10	10	U	U	ug/l	SW846 8270
Hexachlorobutadiene	87-68-3	10	10	U	U	ug/l	SW846 8270
Hexachlorocyclopentadiene	77-47-4	10	10	U	U	ug/l	SW846 8270
Hexachloroethane	67-72-1	10	10	U	U	ug/l	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	10	10	U	U	ug/l	SW846 8270
Isophorone	78-59-1	10	10	U	U	ug/l	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	10	10	U	U	ug/l	SW846 8270
N-Nitrosodiphenylamine	86-30-6	10	10	U	U	ug/l	SW846 8270
Naphthalene	91-20-3	10	10	U	U	ug/l	SW846 8270
Nitrobenzene	98-95-3	10	10	U	U	ug/l	SW846 8270
Pentachlorophenol	87-86-5	50	50	U	U	ug/l	SW846 8270
Phenanthrene	85-01-8	10	10	U	U	ug/l	SW846 8270
Phenol	108-95-2	10	10	U	U	ug/l	SW846 8270
Pyrene	129-00-0	10	10	U	U	ug/l	SW846 8270
Pyridine	110-86-1	10	10	U	U	ug/l	SW846 8270

VOLATILE ORGANICS

1,1,1,2-Tetrachloroethane	630-20-6	5	5	U	U	ug/l	SW846 8260
1,1,1-Trichloroethane	71-55-6	5	5	U	U	ug/l	SW846 8260

Location: PZ104
Sample ID: 10PZ102 Depth: NA
COE Sample ID: FH010-PZ102/06-02-98
Date Collected: 6/2/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U	U	ug/l	SW846 8260
1,1,2-Trichloroethane	79-00-5	5	5	U	U	ug/l	SW846 8260
1,1-Dichloroethane	75-34-3	5	5	U	U	ug/l	SW846 8260
1,1-Dichloroethene	75-35-4	5	5	U	U	ug/l	SW846 8260
1,1-Dichloropropene	563-58-6	5	5	U	U	ug/l	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	5	5	U	U	ug/l	SW846 8260
1,2,3-Trichloropropane	96-18-4	5	5	U	U	ug/l	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	5	5	U	U	ug/l	SW846 8260
1,2,4-trimethylbenzene	95-63-6	5	5	U	U	ug/l	SW846 8260
1,2-cis-Dichloroethene	156-59-2	5	5	U	U	ug/l	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	5	5	U	U	ug/l	SW846 8260
1,2-Dibromoethane	106-93-4	5	5	U	U	ug/l	SW846 8260
1,2-Dichlorobenzene	95-50-1	5	5	U	U	ug/l	SW846 8260
1,2-Dichloroethane	107-06-2	5	5	U	U	ug/l	SW846 8260
1,2-Dichloropropane	78-87-5	5	5	U	U	ug/l	SW846 8260
1,2-trans-Dichloroethene	156-60-5	5	5	U	U	ug/l	SW846 8260
1,3,5-trimethylbenzene	108-67-8	5	5	U	U	ug/l	SW846 8260
1,3-Dichlorobenzene	541-73-1	5	5	U	U	ug/l	SW846 8260
1,3-Dichloropropane	142-28-9	5	5	U	U	ug/l	SW846 8260
1,4-Dichlorobenzene	106-46-7	5	5	U	U	ug/l	SW846 8260
2,2-Dichloropropane	594-20-7	5	5	U	U	ug/l	SW846 8260
2-Butanone	78-93-3	5	5	U	U	ug/l	SW846 8260
2-Chlorotoluene	95-49-8	5	5	U	U	ug/l	SW846 8260
2-Hexanone	591-78-6	5	5	U	U	ug/l	SW846 8260
4-Chlorotoluene	106-43-4	5	5	U	U	ug/l	SW846 8260
4-Methyl-2-pentanone	108-10-1	5	5	U	U	ug/l	SW846 8260
Acetone	67-64-1	5	5	U	U	ug/l	SW846 8260
Benzene	71-43-2	5	5	U	U	ug/l	SW846 8260
Bromobenzene	108-86-1	5	5	U	U	ug/l	SW846 8260
Bromochloromethane	74-97-5	5	5	U	U	ug/l	SW846 8260
Bromodichloromethane	75-27-4	5	5	U	U	ug/l	SW846 8260
Bromoform	75-25-2	5	5	U	U	ug/l	SW846 8260
Bromomethane	74-83-9	5	5	U	U	ug/l	SW846 8260
Carbon Tetrachloride	56-23-5	5	5	U	U	ug/l	SW846 8260
Chlorobenzene	108-90-7	5	5	U	U	ug/l	SW846 8260
Chloroethane	75-00-3	5	5	U	U	ug/l	SW846 8260
Chloroform	67-66-3	5	5	U	U	ug/l	SW846 8260
Chloromethane	74-87-3	5	5	U	U	ug/l	SW846 8260
Dibromochloromethane	124-48-1	5	5	U	U	ug/l	SW846 8260
Dibromomethane	74-95-3	5	5	U	U	ug/l	SW846 8260
Dichlorodifluoromethane	75-71-8	5	5	U	U	ug/l	SW846 8260
Ethylbenzene	100-41-4	5	5	U	U	ug/l	SW846 8260
Hexachlorobutadiene	87-68-3	5	5	U	U	ug/l	SW846 8260
Isopropyl Benzene	98-82-8	5	5	U	U	ug/l	SW846 8260
m,p-Xylene	13-302-07	5	5	U	U	ug/l	SW846 8260
Methylene Chloride	75-09-2	5	5	U	U	ug/l	SW846 8260
n-Butylbenzene	104-51-8	5	5	U	U	ug/l	SW846 8260
n-propylbenzene	103-65-1	5	5	U	U	ug/l	SW846 8260
Naphthalene	91-20-3	5	5	U	U	ug/l	SW846 8260
o-Xylene	95-47-6	5	5	U	U	ug/l	SW846 8260
p-Isopropyltoluene	99-87-6	5	5	U	U	ug/l	SW846 8260
sec-Butylbenzene	135-98-8	5	5	U	U	ug/l	SW846 8260
Styrene	100-42-5	5	5	U	U	ug/l	SW846 8260
tert-Butylbenzene	98-06-6	5	5	U	U	ug/l	SW846 8260
Tetrachloroethene	127-18-4	5	5	U	U	ug/l	SW846 8260
Toluene	108-88-3	5	5	U	U	ug/l	SW846 8260
Trichloroethene	79-01-6	5	5	U	U	ug/l	SW846 8260
Trichlorofluoromethane	75-69-4	5	5	U	U	ug/l	SW846 8260
Vinyl Chloride	75-01-4	5	5	U	U	ug/l	SW846 8260

Location: SB101
Sample ID: 10SB101 Depth: 0.0-0.5
COE Sample ID: FH010-SB101/12-16-96/0.0-0.5
Date Collected: 12/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	4.9	0.38			mg/kg	SW846 6010
Barium	7440-39-3	39.9	0.09			mg/kg	SW846 6010
Cadmium	7440-43-9	0.13	0.05	B		mg/kg	SW846 6010
Chromium	7440-47-3	6.6	0.09			mg/kg	SW846 6010
Lead	7439-92-1	7.2	0.16			mg/kg	SW846 6010
Mercury	7439-97-6	0.04	0.04	U		mg/kg	SW846 7470
Selenium	7782-49-2	0.35	0.35	U		mg/kg	SW846 6010
Silver	7440-22-4	0.22	0.22	U		mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	380	380	U		ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	380	380	U		ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	380	380	U		ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	380	380	U		ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	380	380	U		ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	380	380	U		ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	1900	1900	U		ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	380	380	U		ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	380	380	U		ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	380	380	U		ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	1900	1900	U		ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	380	380	U		ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	380	380	U		ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	380	380	U		ug/kg	SW846 8270
2-Chlorophenol	95-57-8	380	380	U		ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	380	380	U		ug/kg	SW846 8270
2-Methylphenol	95-48-7	380	380	U		ug/kg	SW846 8270
2-Nitroaniline	88-74-4	1900	1900	U		ug/kg	SW846 8270
2-Nitrophenol	88-75-5	380	380	U		ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	770	770	U		ug/kg	SW846 8270
3-Nitroaniline	99-09-2	1900	1900	U		ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	1900	1900	U		ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	380	380	U		ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	380	380	U		ug/kg	SW846 8270
4-Chloroaniline	106-47-8	380	380	U		ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	380	380	U		ug/kg	SW846 8270
4-Methylphenol	106-44-5	380	380	U		ug/kg	SW846 8270
4-Nitroaniline	100-01-6	1900	1900	U		ug/kg	SW846 8270
4-Nitrophenol	100-02-7	1900	1900	U		ug/kg	SW846 8270
Acenaphthene	83-32-9	380	380	U		ug/kg	SW846 8270
Acenaphthylene	208-96-8	380	380	U		ug/kg	SW846 8270
Anthracene	120-12-7	380	380	U		ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	380	380	U		ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	380	380	U		ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	380	380	U		ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	380	380	U		ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	380	380	U		ug/kg	SW846 8270
Benzoic Acid	65-85-0	1900	1900	U		ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	380	380	U		ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	380	380	U		ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	380	380	U		ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	380	380	U		ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	380	380	U		ug/kg	SW846 8270
Chrysene	218-01-9	380	380	U		ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	380	380	U		ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	380	380	U		ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	380	380	U		ug/kg	SW846 8270
Dibenzofuran	132-64-9	380	380	U		ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	380	380	U		ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	380	380	U		ug/kg	SW846 8270
Fluoranthene	206-44-0	380	380	U		ug/kg	SW846 8270
Fluorene	86-73-7	380	380	U		ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	380	380	U		ug/kg	SW846 8270

Location: SB101
Sample ID: 10SB101 Depth: 0.0-0.5
COE Sample ID: FH010-SB101/12-16-96/0.0-0.5
Date Collected: 12/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Hexachlorobutadiene	87-68-3	380	380	U		ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	380	380	U		ug/kg	SW846 8270
Hexachloroethane	67-72-1	380	380	U		ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	380	380	U		ug/kg	SW846 8270
Isophorone	78-59-1	380	380	U		ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	380	380	U		ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	380	380	U		ug/kg	SW846 8270
Naphthalene	91-20-3	380	380	U		ug/kg	SW846 8270
Nitrobenzene	98-95-3	380	380	U		ug/kg	SW846 8270
Pentachlorophenol	87-86-5	1900	1900	U		ug/kg	SW846 8270
Phenanthrene	85-01-8	380	380	U		ug/kg	SW846 8270
Phenol	108-95-2	380	380	U		ug/kg	SW846 8270
Pyrene	129-00-0	380	380	U		ug/kg	SW846 8270
Pyridine	110-86-1	380	380	U		ug/kg	SW846 8270

VOLATILE ORGANICS

1,1,1,2-Tetrachloroethane	630-20-6	6	6	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	6	6	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	6	6	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	6	6	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	6	6	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	6	6	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	6	6	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	6	6	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	6	6	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	6	6	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	6	6	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	6	6	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	6	6	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	6	6	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	6	6	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	6	6	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	6	6	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	6	6	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	6	6	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	6	6	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	6	6	U	U	ug/kg	SW846 8260
Acetone	67-64-1	7	6	B	U	ug/kg	SW846 8260
Benzene	71-43-2	6	6	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	6	6	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	6	6	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	6	6	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	6	6	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	6	6	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	6	6	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	6	6	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	6	6	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	6	6	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	6	6	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	6	6	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	6	6	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	6	6	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	6	6	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	6	6	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	6	6	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	6	6	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	2	6	JB	U	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	6	6	U	U	ug/kg	SW846 8260

Location: SB101
Sample ID: 10SB101 **Depth:** 0.0-0.5
COE Sample ID: FH010-SB101/12-16-96/0.0-0.5
Date Collected: 12/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
n-propylbenzene	103-65-1	6	6	U	U	ug/kg	SW846 8260
Naphthalene	91-20-3	6	6	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	6	6	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	6	6	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	6	6	U	U	ug/kg	SW846 8260
Styrene	100-42-5	6	6	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	6	6	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	6	6	U	U	ug/kg	SW846 8260
Toluene	108-88-3	6	6	U	U	ug/kg	SW846 8260
Trichloroethene	79-01-6	6	6	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	6	6	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	6	6	U	U	ug/kg	SW846 8260

Location: SB101
Sample ID: 10SB102 **Depth:** 16.5-17.0
COE Sample ID: FH010-SB102/12-16-96/16.5-17.0
Date Collected: 12/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	7.3	0.43			mg/kg	SW846 6010
Barium	7440-39-3	23.4	0.1			mg/kg	SW846 6010
Cadmium	7440-43-9	0.06	0.05	B		mg/kg	SW846 6010
Chromium	7440-47-3	4.7	0.1			mg/kg	SW846 6010
Lead	7439-92-1	6.4	0.18			mg/kg	SW846 6010
Mercury	7439-97-6	0.04	0.04	U		mg/kg	SW846 7470
Selenium	7782-49-2	0.39	0.39	U		mg/kg	SW846 6010
Silver	7440-22-4	0.25	0.25	U		mg/kg	SW846 6010

SEMIVOLATILE ORGANICS

1,2,4,5-Tetrachlorobenzene	95-94-3	420	420	U	U	ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	420	420	U	U	ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	420	420	U	U	ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	420	420	U	U	ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	420	420	U	U	ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	420	420	U	U	ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	2000	2000	U	U	ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	420	420	U	U	ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	420	420	U	U	ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	420	420	U	U	ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	2000	2000	U	U	ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	420	420	U	U	ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	420	420	U	U	ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	420	420	U	U	ug/kg	SW846 8270
2-Chlorophenol	95-57-8	420	420	U	U	ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	420	420	U	U	ug/kg	SW846 8270
2-Methylphenol	95-48-7	420	420	U	U	ug/kg	SW846 8270
2-Nitroaniline	88-74-4	2000	2000	U	U	ug/kg	SW846 8270
2-Nitrophenol	88-75-5	420	420	U	U	ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	850	850	U	U	ug/kg	SW846 8270
3-Nitroaniline	99-09-2	2000	2000	U	U	ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	2000	2000	U	U	ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	420	420	U	U	ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	420	420	U	U	ug/kg	SW846 8270
4-Chloroaniline	106-47-8	420	420	U	U	ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	420	420	U	U	ug/kg	SW846 8270
4-Methylphenol	106-44-5	420	420	U	U	ug/kg	SW846 8270
4-Nitroaniline	100-01-6	2000	2000	U	U	ug/kg	SW846 8270
4-Nitrophenol	100-02-7	2000	2000	U	U	ug/kg	SW846 8270
Acenaphthene	83-32-9	420	420	U	U	ug/kg	SW846 8270

Location: SB101
Sample ID: 10SB102 Depth: 16.5-17.0
COE Sample ID: FH010-SB102/12-16-96/16.5-17.0
Date Collected: 12/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Acenaphthylene	208-96-8	420	420	U	U	ug/kg	SW846 8270
Anthracene	120-12-7	420	420	U	U	ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	420	420	U	U	ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	420	420	U	U	ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	420	420	U	U	ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	420	420	U	U	ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	420	420	U	U	ug/kg	SW846 8270
Benzoic Acid	65-85-0	2000	2000	U	U	ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	420	420	U	U	ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	420	420	U	U	ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	420	420	U	U	ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	80	420	J	U	ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	420	420	U	U	ug/kg	SW846 8270
Chrysene	218-01-9	420	420	U	U	ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	420	420	U	U	ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	420	420	U	U	ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	420	420	U	U	ug/kg	SW846 8270
Dibenzofuran	132-64-9	420	420	U	U	ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	420	420	U	U	ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	420	420	U	U	ug/kg	SW846 8270
Fluoranthene	206-44-0	420	420	U	U	ug/kg	SW846 8270
Fluorene	86-73-7	420	420	U	U	ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	420	420	U	U	ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	420	420	U	U	ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	420	420	U	U	ug/kg	SW846 8270
Hexachloroethane	67-72-1	420	420	U	U	ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	420	420	U	U	ug/kg	SW846 8270
Isophorone	78-59-1	420	420	U	U	ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	420	420	U	U	ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	420	420	U	U	ug/kg	SW846 8270
Naphthalene	91-20-3	420	420	U	U	ug/kg	SW846 8270
Nitrobenzene	98-95-3	420	420	U	U	ug/kg	SW846 8270
Pentachlorophenol	87-86-5	2000	2000	U	U	ug/kg	SW846 8270
Phenanthrene	85-01-8	420	420	U	U	ug/kg	SW846 8270
Phenol	108-95-2	420	420	U	U	ug/kg	SW846 8270
Pyrene	129-00-0	420	420	U	U	ug/kg	SW846 8270
Pyridine	110-86-1	420	420	U	U	ug/kg	SW846 8270

VOLATILE ORGANICS

1,1,1,2-Tetrachloroethane	630-20-6	6	6	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	6	6	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	6	6	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	6	6	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	6	6	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	6	6	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	6	6	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	6	6	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	6	6	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	6	6	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	6	6	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	6	6	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	6	6	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	6	6	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	6	6	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	6	6	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	6	6	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	6	6	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	6	6	U	U	ug/kg	SW846 8260

Location: SB101
Sample ID: 10SB102 **Depth:** 16.5-17.0
COE Sample ID: FH010-SB102/12-16-96/16.5-17.0
Date Collected: 12/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
4-Chlorotoluene	106-43-4	6	6	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	6	6	U	U	ug/kg	SW846 8260
Acetone	67-64-1	17	6	B	U	ug/kg	SW846 8260
Benzene	71-43-2	6	6	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	6	6	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	6	6	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	6	6	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	6	6	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	6	6	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	6	6	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	6	6	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	6	6	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	6	6	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	6	6	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	6	6	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	6	6	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	6	6	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	6	6	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	6	6	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	6	6	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	6	6	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	2	6	JB	U	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	6	6	U	U	ug/kg	SW846 8260
n-propylbenzene	103-65-1	6	6	U	U	ug/kg	SW846 8260
Naphthalene	91-20-3	6	6	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	6	6	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	6	6	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	6	6	U	U	ug/kg	SW846 8260
Styrene	100-42-5	6	6	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	6	6	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	6	6	U	U	ug/kg	SW846 8260
Toluene	108-88-3	6	6	U	U	ug/kg	SW846 8260
Trichloroethene	79-01-6	6	6	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	6	6	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	6	6	U	U	ug/kg	SW846 8260

Location: SB101
Sample ID: 10SB103 **Depth:** 25.5-26.0
COE Sample ID: FH010-SB103/12-16-96/25.5-26.0
Date Collected: 12/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	5.9	0.35			mg/kg	SW846 6010
Barium	7440-39-3	2.3	0.09			mg/kg	SW846 6010
Cadmium	7440-43-9	0.04	0.04	U		mg/kg	SW846 6010
Chromium	7440-47-3	1.5	0.09			mg/kg	SW846 6010
Lead	7439-92-1	3.5	0.15			mg/kg	SW846 6010
Mercury	7439-97-6	0.04	0.04	U		mg/kg	SW846 7470
Selenium	7782-49-2	0.32	0.32	U		mg/kg	SW846 6010
Silver	7440-22-4	0.2	0.2	U		mg/kg	SW846 6010

SEMIVOLATILE ORGANICS

1,2,4,5-Tetrachlorobenzene	95-94-3	350	350	U		ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	350	350	U		ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	350	350	U		ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	350	350	U		ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	350	350	U		ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	350	350	U		ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	1700	1700	U		ug/kg	SW846 8270

Location: SB101
Sample ID: 10SB103 **Depth:** 25.5-26.0
COE Sample ID: FH010-SB103/12-16-96/25.5-26.0
Date Collected: 12/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
2,4,6-Trichlorophenol	88-06-2	350	350	U		ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	350	350	U		ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	350	350	U		ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	1700	1700	U		ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	350	350	U		ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	350	350	U		ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	350	350	U		ug/kg	SW846 8270
2-Chlorophenol	95-57-8	350	350	U		ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	350	350	U		ug/kg	SW846 8270
2-Methylphenol	95-48-7	350	350	U		ug/kg	SW846 8270
2-Nitroaniline	88-74-4	1700	1700	U		ug/kg	SW846 8270
2-Nitrophenol	88-75-5	350	350	U		ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	700	700	U		ug/kg	SW846 8270
3-Nitroaniline	99-09-2	1700	1700	U		ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	1700	1700	U		ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	350	350	U		ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	350	350	U		ug/kg	SW846 8270
4-Chloroaniline	106-47-8	350	350	U		ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	350	350	U		ug/kg	SW846 8270
4-Methylphenol	106-44-5	350	350	U		ug/kg	SW846 8270
4-Nitroaniline	100-01-6	1700	1700	U		ug/kg	SW846 8270
4-Nitrophenol	100-02-7	1700	1700	U		ug/kg	SW846 8270
Acenaphthene	83-32-9	350	350	U		ug/kg	SW846 8270
Acenaphthylene	208-96-8	350	350	U		ug/kg	SW846 8270
Anthracene	120-12-7	350	350	U		ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	350	350	U		ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	350	350	U		ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	350	350	U		ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	350	350	U		ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	350	350	U		ug/kg	SW846 8270
Benzoic Acid	65-85-0	1700	1700	U		ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	350	350	U		ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	350	350	U		ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	350	350	U		ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	350	350	U		ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	350	350	U		ug/kg	SW846 8270
Chrysene	218-01-9	350	350	U		ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	350	350	U		ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	350	350	U		ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	350	350	U		ug/kg	SW846 8270
Dibenzofuran	132-64-9	350	350	U		ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	350	350	U		ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	350	350	U		ug/kg	SW846 8270
Fluoranthene	206-44-0	350	350	U		ug/kg	SW846 8270
Fluorene	86-73-7	350	350	U		ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	350	350	U		ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	350	350	U		ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	350	350	U		ug/kg	SW846 8270
Hexachloroethane	67-72-1	350	350	U		ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	350	350	U		ug/kg	SW846 8270
Isophorone	78-59-1	350	350	U		ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	350	350	U		ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	350	350	U		ug/kg	SW846 8270
Naphthalene	91-20-3	350	350	U		ug/kg	SW846 8270
Nitrobenzene	98-95-3	350	350	U		ug/kg	SW846 8270
Pentachlorophenol	87-86-5	1700	1700	U		ug/kg	SW846 8270
Phenanthrene	85-01-8	350	350	U		ug/kg	SW846 8270
Phenol	108-95-2	350	350	U		ug/kg	SW846 8270
Pyrene	129-00-0	350	350	U		ug/kg	SW846 8270
Pyridine	110-86-1	350	350	U		ug/kg	SW846 8270

VOLATILE ORGANICS

1,1,1,2-Tetrachloroethane	630-20-6	5	5	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	5	5	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U	U	ug/kg	SW846 8260

Location: SB101
Sample ID: 10SB103 **Depth:** 25.5-26.0
COE Sample ID: FH010-SB103/12-16-96/25.5-26.0
Date Collected: 12/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
1,1,2-Trichloroethane	79-00-5	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	5	5	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	5	5	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	5	5	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	5	5	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	5	5	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	5	5	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	5	5	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	5	5	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	5	5	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	5	5	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	5	5	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	5	5	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	5	5	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	5	5	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	5	5	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	5	5	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	5	5	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	5	5	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	5	5	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	5	5	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	5	5	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	5	5	U	U	ug/kg	SW846 8260
Acetone	67-64-1	8	5	B	U	ug/kg	SW846 8260
Benzene	71-43-2	5	5	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	5	5	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	5	5	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	5	5	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	5	5	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	5	5	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	5	5	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	5	5	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	5	5	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	5	5	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	5	5	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	5	5	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	5	5	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	5	5	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	5	5	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	5	5	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	5	5	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	5	5	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	2	5	JB	U	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	5	5	U	U	ug/kg	SW846 8260
n-propylbenzene	103-65-1	5	5	U	U	ug/kg	SW846 8260
Naphthalene	91-20-3	5	5	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	5	5	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	5	5	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	5	5	U	U	ug/kg	SW846 8260
Styrene	100-42-5	5	5	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	5	5	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	5	5	U	U	ug/kg	SW846 8260
Toluene	108-88-3	32	5			ug/kg	SW846 8260
Trichloroethene	79-01-6	3	5	J	J	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	5	5	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	5	5	U	U	ug/kg	SW846 8260

Location: SB102
Sample ID: 10SB115 Depth: 0.0-1.0
COE Sample ID: FH010-SB115/12-18-96/0.0-1.0
Date Collected: 12/18/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	4.9	0.39			mg/kg	SW846 6010
Barium	7440-39-3	35.9	0.1			mg/kg	SW846 6010
Cadmium	7440-43-9	0.12	0.05	B		mg/kg	SW846 6010
Chromium	7440-47-3	7	0.1			mg/kg	SW846 6010
Lead	7439-92-1	6.9	0.17			mg/kg	SW846 6010
Mercury	7439-97-6	0.04	0.04	U		mg/kg	SW846 7470
Selenium	7782-49-2	0.36	0.36	U		mg/kg	SW846 6010
Silver	7440-22-4	0.23	0.23	U		mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	390	390	U		ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	390	390	U		ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	390	390	U		ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	390	390	U		ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	390	390	U		ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	390	390	U		ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	1900	1900	U		ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	390	390	U		ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	390	390	U		ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	390	390	U		ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	1900	1900	U		ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	390	390	U		ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	390	390	U		ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	390	390	U		ug/kg	SW846 8270
2-Chlorophenol	95-57-8	390	390	U		ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	390	390	U		ug/kg	SW846 8270
2-Methylphenol	95-48-7	390	390	U		ug/kg	SW846 8270
2-Nitroaniline	88-74-4	1900	1900	U		ug/kg	SW846 8270
2-Nitrophenol	88-75-5	390	390	U		ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	780	780	U		ug/kg	SW846 8270
3-Nitroaniline	99-09-2	1900	1900	U		ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	1900	1900	U		ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	390	390	U		ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	390	390	U		ug/kg	SW846 8270
4-Chloroaniline	106-47-8	390	390	U		ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	390	390	U		ug/kg	SW846 8270
4-Methylphenol	106-44-5	390	390	U		ug/kg	SW846 8270
4-Nitroaniline	100-01-6	1900	1900	U		ug/kg	SW846 8270
4-Nitrophenol	100-02-7	1900	1900	U		ug/kg	SW846 8270
Acenaphthene	83-32-9	390	390	U		ug/kg	SW846 8270
Acenaphthylene	208-96-8	390	390	U		ug/kg	SW846 8270
Anthracene	120-12-7	390	390	U		ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	390	390	U		ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	390	390	U		ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	390	390	U		ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	390	390	U		ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	390	390	U		ug/kg	SW846 8270
Benzoic Acid	65-85-0	1900	1900	U		ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	390	390	U		ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	390	390	U		ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	390	390	U		ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	100	390	J		ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	390	390	U		ug/kg	SW846 8270
Chrysene	218-01-9	390	390	U		ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	390	390	U		ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	390	390	U		ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	390	390	U		ug/kg	SW846 8270
Dibenzofuran	132-64-9	390	390	U		ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	390	390	U		ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	390	390	U		ug/kg	SW846 8270
Fluoranthene	206-44-0	390	390	U		ug/kg	SW846 8270
Fluorene	86-73-7	390	390	U		ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	390	390	U		ug/kg	SW846 8270

Location: SB102
Sample ID: 10SB115 **Depth:** 0.0-1.0
COE Sample ID: FH010-SB115/12-18-96/0.0-1.0
Date Collected: 12/18/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Hexachlorobutadiene	87-68-3	390	390	U		ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	390	390	U		ug/kg	SW846 8270
Hexachloroethane	67-72-1	390	390	U		ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	390	390	U		ug/kg	SW846 8270
Isophorone	78-59-1	390	390	U		ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	390	390	U		ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	390	390	U		ug/kg	SW846 8270
Naphthalene	91-20-3	390	390	U		ug/kg	SW846 8270
Nitrobenzene	98-95-3	390	390	U		ug/kg	SW846 8270
Pentachlorophenol	87-86-5	1900	1900	U		ug/kg	SW846 8270
Phenanthrene	85-01-8	390	390	U		ug/kg	SW846 8270
Phenol	108-95-2	390	390	U		ug/kg	SW846 8270
Pyrene	129-00-0	390	390	U		ug/kg	SW846 8270
Pyridine	110-86-1	390	390	U		ug/kg	SW846 8270

VOLATILE ORGANICS

1,1,1,2-Tetrachloroethane	630-20-6	6	6	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	6	6	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	6	6	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	6	6	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	6	6	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	6	6	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	6	6	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	6	6	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	6	6	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	6	6	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	6	6	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	6	6	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	6	6	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	6	6	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	6	6	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	6	6	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	6	6	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	6	6	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	6	6	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	6	6	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	6	6	U	U	ug/kg	SW846 8260
Acetone	67-64-1	19	6		U	ug/kg	SW846 8260
Benzene	71-43-2	6	6	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	6	6	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	6	6	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	6	6	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	6	6	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	6	6	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	6	6	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	6	6	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	6	6	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	6	6	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	6	6	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	6	6	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	6	6	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	6	6	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	6	6	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	6	6	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	6	6	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	6	6	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	10	6		U	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	6	6	U	U	ug/kg	SW846 8260

Location: SB102
Sample ID: 10SB115 **Depth:** 0.0-1.0
COE Sample ID: FH010-SB115/12-18-96/0.0-1.0
Date Collected: 12/18/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
n-propylbenzene	103-65-1	6	6	U	U	ug/kg	SW846 8260
Naphthalene	91-20-3	6	6	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	6	6	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	6	6	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	6	6	U	U	ug/kg	SW846 8260
Styrene	100-42-5	6	6	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	6	6	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	6	6	U	U	ug/kg	SW846 8260
Toluene	108-88-3	6	6	U	U	ug/kg	SW846 8260
Trichloroethene	79-01-6	6	6	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	6	6	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	6	6	U	U	ug/kg	SW846 8260

Location: SB102
Sample ID: FHGW101 **Depth:** NA
COE Sample ID: FH010-GW101/12-19-96
Date Collected: 12/19/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	21.5	2.5			ug/l	SW846 6010
Barium	7440-39-3	254	0.3			ug/l	SW846 6010
Cadmium	7440-43-9	0.5	0.5	U	U	ug/l	SW846 6010
Chromium	7440-47-3	0.8	0.8	U	U	ug/l	SW846 6010
Lead	7439-92-1	1.7	1.7	U*	UJ	ug/l	SW846 6010
Mercury	7439-97-6	0.1	0.1	U	U	ug/l	SW846 7470
Selenium	7782-49-2	2.8	2.8	U	U	ug/l	SW846 6010
Silver	7440-22-4	1.2	1.2	U	U	ug/l	SW846 6010

SEMIVOLATILE ORGANICS

1,2,4,5-Tetrachlorobenzene	95-94-3	10	10	U		ug/l	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	10	10	U		ug/l	SW846 8270
1,2-Dichlorobenzene	95-50-1	10	10	U		ug/l	SW846 8270
1,3-Dichlorobenzene	541-73-1	10	10	U		ug/l	SW846 8270
1,4-Dichlorobenzene	106-46-7	27	10			ug/l	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	10	10	U		ug/l	SW846 8270
2,4,5-Trichlorophenol	95-95-4	50	50	U		ug/l	SW846 8270
2,4,6-Trichlorophenol	88-06-2	10	10	U		ug/l	SW846 8270
2,4-Dichlorophenol	120-83-2	10	10	U		ug/l	SW846 8270
2,4-Dimethylphenol	105-67-9	10	10	U		ug/l	SW846 8270
2,4-Dinitrophenol	51-28-5	50	50	U		ug/l	SW846 8270
2,4-Dinitrotoluene	121-14-2	10	10	U		ug/l	SW846 8270
2,6-Dinitrotoluene	606-20-2	10	10	U		ug/l	SW846 8270
2-Chloronaphthalene	91-58-7	10	10	U		ug/l	SW846 8270
2-Chlorophenol	95-57-8	10	10	U		ug/l	SW846 8270
2-Methylnaphthalene	91-57-6	7	10	J		ug/l	SW846 8270
2-Methylphenol	95-48-7	10	10	U		ug/l	SW846 8270
2-Nitroaniline	88-74-4	50	50	U		ug/l	SW846 8270
2-Nitrophenol	88-75-5	10	10	U		ug/l	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	20	20	U		ug/l	SW846 8270
3-Nitroaniline	99-09-2	50	50	U		ug/l	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	50	50	U		ug/l	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	10	10	U		ug/l	SW846 8270
4-chloro-3-methylphenol	59-50-7	10	10	U		ug/l	SW846 8270
4-Chloroaniline	106-47-8	10	10	U		ug/l	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	10	10	U		ug/l	SW846 8270
4-Methylphenol	106-44-5	5	10	J		ug/l	SW846 8270
4-Nitroaniline	100-01-6	50	50	U		ug/l	SW846 8270
4-Nitrophenol	100-02-7	50	50	U		ug/l	SW846 8270
Acenaphthene	83-32-9	10	10	U		ug/l	SW846 8270

Location: SB102
Sample ID: FHGW101 **Depth:** NA
COE Sample ID: FH010-GW101/12-19-96
Date Collected: 12/19/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Acenaphthylene	208-96-8	10	10	U		ug/l	SW846 8270
Anthracene	120-12-7	10	10	U		ug/l	SW846 8270
Benzo(a)anthracene	56-55-3	10	10	U		ug/l	SW846 8270
Benzo(a)pyrene	50-32-8	10	10	U		ug/l	SW846 8270
Benzo(b)fluoranthene	205-99-2	10	10	U		ug/l	SW846 8270
Benzo(g,h,i)perylene	191-24-2	10	10	U		ug/l	SW846 8270
Benzo(k)fluoranthene	207-08-9	10	10	U		ug/l	SW846 8270
Benzoic Acid	65-85-0	50	50	U		ug/l	SW846 8270
Benzyl Alcohol	100-51-6	10	10	U		ug/l	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	10	10	U		ug/l	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	10	10	U		ug/l	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	9	10	J		ug/l	SW846 8270
Butyl Benzyl Phthalate	85-68-7	10	10	U		ug/l	SW846 8270
Chrysene	218-01-9	10	10	U		ug/l	SW846 8270
Di-n-butyl Phthalate	84-74-2	10	10	U		ug/l	SW846 8270
Di-n-octyl Phthalate	117-84-0	10	10	U		ug/l	SW846 8270
Dibenz(a,h)anthracene	53-70-3	10	10	U		ug/l	SW846 8270
Dibenzofuran	132-64-9	10	10	U		ug/l	SW846 8270
Diethyl Phthalate	84-66-2	10	10	U		ug/l	SW846 8270
Dimethyl Phthalate	131-11-3	10	10	U		ug/l	SW846 8270
Fluoranthene	206-44-0	10	10	U		ug/l	SW846 8270
Fluorene	86-73-7	10	10	U		ug/l	SW846 8270
Hexachlorobenzene	118-74-1	10	10	U		ug/l	SW846 8270
Hexachlorobutadiene	87-68-3	10	10	U		ug/l	SW846 8270
Hexachlorocyclopentadiene	77-47-4	10	10	U		ug/l	SW846 8270
Hexachloroethane	67-72-1	10	10	U		ug/l	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	10	10	U		ug/l	SW846 8270
Isophorone	78-59-1	10	10	U		ug/l	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	10	10	U		ug/l	SW846 8270
N-Nitrosodiphenylamine	86-30-6	15	10			ug/l	SW846 8270
Naphthalene	91-20-3	50	10			ug/l	SW846 8270
Nitrobenzene	98-95-3	10	10	U		ug/l	SW846 8270
Pentachlorophenol	87-86-5	50	50	U		ug/l	SW846 8270
Phenanthrene	85-01-8	10	10	U		ug/l	SW846 8270
Phenol	108-95-2	10	10	U		ug/l	SW846 8270
Pyrene	129-00-0	10	10	U		ug/l	SW846 8270
Pyridine	110-86-1	50	50	U		ug/l	SW846 8270

VOLATILE ORGANICS

1,1,1,2-Tetrachloroethane	630-20-6	5	5	U		ug/l	SW846 8240
1,1,1-Trichloroethane	71-55-6	5	5	U		ug/l	SW846 8240
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U		ug/l	SW846 8240
1,1,2-Trichloroethane	79-00-5	5	5	U		ug/l	SW846 8240
1,1-Dichloroethane	75-34-3	5	5	U		ug/l	SW846 8240
1,1-Dichloroethene	75-35-4	5	5	U		ug/l	SW846 8240
1,1-Dichloropropene	563-58-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichlorobenzene	87-61-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichloropropane	96-18-4	5	5	U		ug/l	SW846 8240
1,2,4-Trichlorobenzene	120-82-1	5	5	U		ug/l	SW846 8240
1,2,4-trimethylbenzene	95-63-6	49	5			ug/l	SW846 8240
1,2-cis-Dichloroethene	156-59-2	5	5	U		ug/l	SW846 8240
1,2-dibromo-3-chloropropane	96-12-8	5	5	U		ug/l	SW846 8240
1,2-Dibromoethane	106-93-4	5	5	U		ug/l	SW846 8240
1,2-Dichlorobenzene	95-50-1	5	5	U		ug/l	SW846 8240
1,2-Dichloroethane	107-06-2	5	5	U		ug/l	SW846 8240
1,2-Dichloropropane	78-87-5	5	5	U		ug/l	SW846 8240
1,2-trans-Dichloroethene	156-60-5	5	5	U		ug/l	SW846 8240
1,3,5-trimethylbenzene	108-67-8	7	5			ug/l	SW846 8240
1,3-Dichlorobenzene	541-73-1	5	5	U		ug/l	SW846 8240
1,3-Dichloropropane	142-28-9	5	5	U		ug/l	SW846 8240
1,4-Dichlorobenzene	106-46-7	39	5			ug/l	SW846 8240
2,2-Dichloropropane	594-20-7	5	5	U		ug/l	SW846 8240
2-Butanone	78-93-3	5	5	U		ug/l	SW846 8240
2-Chlorotoluene	95-49-8	5	5	U		ug/l	SW846 8240
2-Hexanone	591-78-6	5	5	U		ug/l	SW846 8240

Location: SB102
Sample ID: FHGW101 **Depth:** NA
COE Sample ID: FH010-GW101/12-19-96
Date Collected: 12/19/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
4-Chlorotoluene	106-43-4	5	5	U		ug/l	SW846 8240
4-Methyl-2-pentanone	108-10-1	5	5	U		ug/l	SW846 8240
Acetone	67-64-1	5	5	U		ug/l	SW846 8240
Benzene	71-43-2	5	5			ug/l	SW846 8240
Bromobenzene	108-86-1	5	5	U		ug/l	SW846 8240
Bromochloromethane	74-97-5	5	5	U		ug/l	SW846 8240
Bromodichloromethane	75-27-4	5	5	U		ug/l	SW846 8240
Bromoform	75-25-2	5	5	U		ug/l	SW846 8240
Bromomethane	74-83-9	5	5	U		ug/l	SW846 8240
Carbon Tetrachloride	56-23-5	5	5	U		ug/l	SW846 8240
Chlorobenzene	108-90-7	79	5			ug/l	SW846 8240
Chloroethane	75-00-3	5	5	U		ug/l	SW846 8240
Chloroform	67-66-3	5	5	U		ug/l	SW846 8240
Chloromethane	74-87-3	5	5	U		ug/l	SW846 8240
Dibromochloromethane	124-48-1	5	5	U		ug/l	SW846 8240
Dibromomethane	74-95-3	5	5	U		ug/l	SW846 8240
Dichlorodifluoromethane	75-71-8	5	5	U		ug/l	SW846 8240
Ethylbenzene	100-41-4	32	5			ug/l	SW846 8240
Hexachlorobutadiene	87-68-3	5	5	U		ug/l	SW846 8240
Isopropyl Benzene	98-82-8	6	5			ug/l	SW846 8240
m,p-Xylene	13-302-07	75	5			ug/l	SW846 8240
Methylene Chloride	75-09-2	5	5	U		ug/l	SW846 8240
n-Butylbenzene	104-51-8	5	5	U		ug/l	SW846 8240
n-propylbenzene	103-65-1	9	5			ug/l	SW846 8240
Naphthalene	91-20-3	78	5			ug/l	SW846 8240
o-Xylene	95-47-6	13	5			ug/l	SW846 8240
p-Isopropyltoluene	99-87-6	5	5	U		ug/l	SW846 8240
sec-Butylbenzene	135-98-8	5	5	U		ug/l	SW846 8240
Styrene	100-42-5	5	5	U		ug/l	SW846 8240
tert-Butylbenzene	98-06-6	5	5	U		ug/l	SW846 8240
Tetrachloroethene	127-18-4	5	5	U		ug/l	SW846 8240
Toluene	108-88-3	2	5	J		ug/l	SW846 8240
Trichloroethene	79-01-6	5	5	U		ug/l	SW846 8240
Trichlorofluoromethane	75-69-4	5	5	U		ug/l	SW846 8240
Vinyl Chloride	75-01-4	20	5			ug/l	SW846 8240

Location: SB103
Sample ID: 10SB112 **Depth:** 0.0-1.0
COE Sample ID: FH010-SB112/12-18-96/0.0-1.0
Date Collected: 12/18/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	4.3	0.38			mg/kg	SW846 6010
Barium	7440-39-3	26.5	0.09			mg/kg	SW846 6010
Cadmium	7440-43-9	0.09	0.05	B		mg/kg	SW846 6010
Chromium	7440-47-3	6	0.09			mg/kg	SW846 6010
Lead	7439-92-1	5.6	0.16			mg/kg	SW846 6010
Mercury	7439-97-6	0.04	0.04	U		mg/kg	SW846 7470
Selenium	7782-49-2	0.34	0.34	U		mg/kg	SW846 6010
Silver	7440-22-4	0.22	0.22	U		mg/kg	SW846 6010

SEMIVOLATILE ORGANICS

1,2,4,5-Tetrachlorobenzene	95-94-3	380	380	U		ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	380	380	U		ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	380	380	U		ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	380	380	U		ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	380	380	U		ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	380	380	U		ug/kg	SW846 8270

Location: SB103
 Sample ID: 10SB112 Depth: 0.0-1.0
 COE Sample ID: FH010-SB112/12-18-96/0.0-1.0
 Date Collected: 12/18/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
2,4,5-Trichlorophenol	95-95-4	1800	1800	U		ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	380	380	U		ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	380	380	U		ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	380	380	U		ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	1800	1800	U		ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	380	380	U		ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	380	380	U		ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	380	380	U		ug/kg	SW846 8270
2-Chlorophenol	95-57-8	380	380	U		ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	380	380	U		ug/kg	SW846 8270
2-Methylphenol	95-48-7	380	380	U		ug/kg	SW846 8270
2-Nitroaniline	88-74-4	1800	1800	U		ug/kg	SW846 8270
2-Nitrophenol	88-75-5	380	380	U		ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	750	750	U		ug/kg	SW846 8270
3-Nitroaniline	99-09-2	1800	1800	U		ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	1800	1800	U		ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	380	380	U		ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	380	380	U		ug/kg	SW846 8270
4-Chloroaniline	106-47-8	380	380	U		ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	380	380	U		ug/kg	SW846 8270
4-Methylphenol	106-44-5	380	380	U		ug/kg	SW846 8270
4-Nitroaniline	100-01-6	1800	1800	U		ug/kg	SW846 8270
4-Nitrophenol	100-02-7	1800	1800	U		ug/kg	SW846 8270
Acenaphthene	83-32-9	380	380	U		ug/kg	SW846 8270
Acenaphthylene	208-96-8	380	380	U		ug/kg	SW846 8270
Anthracene	120-12-7	380	380	U		ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	380	380	U		ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	380	380	U		ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	380	380	U		ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	380	380	U		ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	380	380	U		ug/kg	SW846 8270
Benzoic Acid	65-85-0	1800	1800	U		ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	380	380	U		ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	380	380	U		ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	380	380	U		ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	380	380	U		ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	380	380	U		ug/kg	SW846 8270
Chrysene	218-01-9	380	380	U		ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	380	380	U		ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	380	380	U		ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	380	380	U		ug/kg	SW846 8270
Dibenzofuran	132-64-9	380	380	U		ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	380	380	U		ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	380	380	U		ug/kg	SW846 8270
Fluoranthene	206-44-0	380	380	U		ug/kg	SW846 8270
Fluorene	86-73-7	380	380	U		ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	380	380	U		ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	380	380	U		ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	380	380	U		ug/kg	SW846 8270
Hexachloroethane	67-72-1	380	380	U		ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	380	380	U		ug/kg	SW846 8270
Isophorone	78-59-1	380	380	U		ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	380	380	U		ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	380	380	U		ug/kg	SW846 8270
Naphthalene	91-20-3	380	380	U		ug/kg	SW846 8270
Nitrobenzene	98-95-3	380	380	U		ug/kg	SW846 8270
Pentachlorophenol	87-86-5	1800	1800	U		ug/kg	SW846 8270
Phenanthrene	85-01-8	380	380	U		ug/kg	SW846 8270
Phenol	108-95-2	380	380	U		ug/kg	SW846 8270
Pyrene	129-00-0	380	380	U		ug/kg	SW846 8270
Pyridine	110-86-1	380	380	U		ug/kg	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	6	6	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	6	6	U	U	ug/kg	SW846 8260

Location: SB103
 Sample ID: 10SB112 Depth: 0.0-1.0
 COE Sample ID: FH010-SB112/12-18-96/0.0-1.0
 Date Collected: 12/18/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
1,1,2,2-Tetrachloroethane	79-34-5	6	6	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	6	6	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	6	6	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	6	6	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	6	6	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	6	6	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	6	6	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	6	6	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	6	6	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	6	6	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	6	6	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	6	6	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	6	6	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	6	6	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	6	6	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	6	6	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	6	6	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	6	6	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	6	6	U	U	ug/kg	SW846 8260
Acetone	67-64-1	8	6		U	ug/kg	SW846 8260
Benzene	71-43-2	6	6	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	6	6	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	6	6	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	6	6	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	6	6	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	6	6	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	6	6	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	6	6	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	6	6	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	6	6	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	6	6	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	6	6	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	6	6	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	6	6	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	6	6	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	6	6	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	6	6	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	6	6	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	3	6	J	U	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	6	6	U	U	ug/kg	SW846 8260
n-propylbenzene	103-65-1	6	6	U	U	ug/kg	SW846 8260
Naphthalene	91-20-3	6	6	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	6	6	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	6	6	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	6	6	U	U	ug/kg	SW846 8260
Styrene	100-42-5	6	6	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	6	6	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	6	6	U	U	ug/kg	SW846 8260
Toluene	108-88-3	6	6	U	U	ug/kg	SW846 8260
Trichloroethene	79-01-6	6	6	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	6	6	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	6	6	U	U	ug/kg	SW846 8260

Location: SB103
Sample ID: 10SB113 Depth: 15.5-16.0
COE Sample ID: FH010-SB113/12-18-96/15.5-16.0
Date Collected: 12/18/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	3.7	0.38			mg/kg	SW846 6010
Barium	7440-39-3	7.2	0.09			mg/kg	SW846 6010
Cadmium	7440-43-9	0.05	0.05	U		mg/kg	SW846 6010
Chromium	7440-47-3	4.8	0.09			mg/kg	SW846 6010
Lead	7439-92-1	6.6	0.16			mg/kg	SW846 6010
Mercury	7439-97-6	0.04	0.04	U		mg/kg	SW846 7470
Selenium	7782-49-2	0.34	0.34	U		mg/kg	SW846 6010
Silver	7440-22-4	0.22	0.22	U		mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	380	380	U		ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	380	380	U		ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	380	380	U		ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	380	380	U		ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	380	380	U		ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	380	380	U		ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	1800	1800	U		ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	380	380	U		ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	380	380	U		ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	380	380	U		ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	1800	1800	U		ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	380	380	U		ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	380	380	U		ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	380	380	U		ug/kg	SW846 8270
2-Chlorophenol	95-57-8	380	380	U		ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	380	380	U		ug/kg	SW846 8270
2-Methylphenol	95-48-7	380	380	U		ug/kg	SW846 8270
2-Nitroaniline	88-74-4	1800	1800	U		ug/kg	SW846 8270
2-Nitrophenol	88-75-5	380	380	U		ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	750	750	U		ug/kg	SW846 8270
3-Nitroaniline	99-09-2	1800	1800	U		ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	1800	1800	U		ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	380	380	U		ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	380	380	U		ug/kg	SW846 8270
4-Chloroaniline	106-47-8	380	380	U		ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	380	380	U		ug/kg	SW846 8270
4-Methylphenol	106-44-5	380	380	U		ug/kg	SW846 8270
4-Nitroaniline	100-01-6	1800	1800	U		ug/kg	SW846 8270
4-Nitrophenol	100-02-7	1800	1800	U		ug/kg	SW846 8270
Acenaphthene	83-32-9	380	380	U		ug/kg	SW846 8270
Acenaphthylene	208-96-8	380	380	U		ug/kg	SW846 8270
Anthracene	120-12-7	380	380	U		ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	380	380	U		ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	380	380	U		ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	380	380	U		ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	380	380	U		ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	380	380	U		ug/kg	SW846 8270
Benzoic Acid	65-85-0	1800	1800	U		ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	380	380	U		ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	380	380	U		ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	380	380	U		ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	380	380	U		ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	380	380	U		ug/kg	SW846 8270
Chrysene	218-01-9	380	380	U		ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	380	380	U		ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	380	380	U		ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	380	380	U		ug/kg	SW846 8270
Dibenzofuran	132-64-9	380	380	U		ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	380	380	U		ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	380	380	U		ug/kg	SW846 8270
Fluoranthene	206-44-0	380	380	U		ug/kg	SW846 8270
Fluorene	86-73-7	380	380	U		ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	380	380	U		ug/kg	SW846 8270

Location: SB103

Sample ID: 10SB113 Depth: 15.5-16.0

COE Sample ID: FH010-SB113/12-18-96/15.5-16.0

Date Collected: 12/18/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Hexachlorobutadiene	87-68-3	380	380	U		ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	380	380	U		ug/kg	SW846 8270
Hexachloroethane	67-72-1	380	380	U		ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	380	380	U		ug/kg	SW846 8270
Isophorone	78-59-1	380	380	U		ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	380	380	U		ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	380	380	U		ug/kg	SW846 8270
Naphthalene	91-20-3	380	380	U		ug/kg	SW846 8270
Nitrobenzene	98-95-3	380	380	U		ug/kg	SW846 8270
Pentachlorophenol	87-86-5	1800	1800	U		ug/kg	SW846 8270
Phenanthrene	85-01-8	380	380	U		ug/kg	SW846 8270
Phenol	108-95-2	380	380	U		ug/kg	SW846 8270
Pyrene	129-00-0	380	380	U		ug/kg	SW846 8270
Pyridine	110-86-1	380	380	U		ug/kg	SW846 8270

VOLATILE ORGANICS

1,1,1,2-Tetrachloroethane	630-20-6	6	6	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	6	6	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	6	6	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	6	6	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	6	6	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	6	6	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	6	6	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	6	6	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	6	6	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	6	6	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	6	6	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	6	6	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	6	6	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	6	6	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	6	6	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	6	6	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	6	6	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	6	6	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	6	6	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	6	6	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	6	6	U	U	ug/kg	SW846 8260
Acetone	67-64-1	37	6		U	ug/kg	SW846 8260
Benzene	71-43-2	6	6	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	6	6	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	6	6	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	6	6	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	6	6	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	6	6	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	6	6	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	6	6	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	6	6	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	6	6	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	6	6	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	6	6	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	6	6	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	6	6	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	6	6	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	6	6	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	6	6	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	6	6	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	14	6		U	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	6	6	U	U	ug/kg	SW846 8260

Location: SB103
Sample ID: 10SB113 **Depth:** 15.5-16.0
COE Sample ID: FH010-SB113/12-18-96/15.5-16.0
Date Collected: 12/18/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
n-propylbenzene	103-65-1	6	6	U	U	ug/kg	SW846 8260
Naphthalene	91-20-3	6	6	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	6	6	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	6	6	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	6	6	U	U	ug/kg	SW846 8260
Styrene	100-42-5	6	6	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	6	6	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	6	6	U	U	ug/kg	SW846 8260
Toluene	108-88-3	6	6	U	U	ug/kg	SW846 8260
Trichloroethene	79-01-6	6	6	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	6	6	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	6	6	U	U	ug/kg	SW846 8260

Location: SB103
Sample ID: 10SB114 **Depth:** 25.0-25.5
COE Sample ID: FH010-SB114/12-18-96/25.0-25.5
Date Collected: 12/18/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	4.5	0.35			mg/kg	SW846 6010
Barium	7440-39-3	1.9	0.09			mg/kg	SW846 6010
Cadmium	7440-43-9	0.04	0.04	U		mg/kg	SW846 6010
Chromium	7440-47-3	1.5	0.09			mg/kg	SW846 6010
Lead	7439-92-1	2.6	0.15			mg/kg	SW846 6010
Mercury	7439-97-6	0.04	0.04	U		mg/kg	SW846 7470
Selenium	7782-49-2	0.32	0.32	U		mg/kg	SW846 6010
Silver	7440-22-4	0.2	0.2	U		mg/kg	SW846 6010

SEMIVOLATILE ORGANICS

1,2,4,5-Tetrachlorobenzene	95-94-3	350	350	U		ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	350	350	U		ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	350	350	U		ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	350	350	U		ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	350	350	U		ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	350	350	U		ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	1700	1700	U		ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	350	350	U		ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	350	350	U		ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	350	350	U		ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	1700	1700	U		ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	350	350	U		ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	350	350	U		ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	350	350	U		ug/kg	SW846 8270
2-Chlorophenol	95-57-8	350	350	U		ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	350	350	U		ug/kg	SW846 8270
2-Methylphenol	95-48-7	350	350	U		ug/kg	SW846 8270
2-Nitroaniline	88-74-4	1700	1700	U		ug/kg	SW846 8270
2-Nitrophenol	88-75-5	350	350	U		ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	710	710	U		ug/kg	SW846 8270
3-Nitroaniline	99-09-2	1700	1700	U		ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	1700	1700	U		ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	350	350	U		ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	350	350	U		ug/kg	SW846 8270
4-Chloroaniline	106-47-8	350	350	U		ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	350	350	U		ug/kg	SW846 8270
4-Methylphenol	106-44-5	350	350	U		ug/kg	SW846 8270
4-Nitroaniline	100-01-6	1700	1700	U		ug/kg	SW846 8270
4-Nitrophenol	100-02-7	1700	1700	U		ug/kg	SW846 8270
Acenaphthene	83-32-9	350	350	U		ug/kg	SW846 8270

Location: SB103

Sample ID: 10SB114

Depth: 25.0-25.5

COE Sample ID: FH010-SB114/12-18-96/25.0-25.5

Date Collected: 12/18/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Acenaphthylene	208-96-8	350	350	U		ug/kg	SW846 8270
Anthracene	120-12-7	350	350	U		ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	350	350	U		ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	350	350	U		ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	350	350	U		ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	350	350	U		ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	350	350	U		ug/kg	SW846 8270
Benzoic Acid	65-85-0	1700	1700	U		ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	350	350	U		ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	350	350	U		ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	350	350	U		ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	120	350	J		ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	350	350	U		ug/kg	SW846 8270
Chrysene	218-01-9	350	350	U		ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	350	350	U		ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	350	350	U		ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	350	350	U		ug/kg	SW846 8270
Dibenzofuran	132-64-9	350	350	U		ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	350	350	U		ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	350	350	U		ug/kg	SW846 8270
Fluoranthene	206-44-0	350	350	U		ug/kg	SW846 8270
Fluorene	86-73-7	350	350	U		ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	350	350	U		ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	350	350	U		ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	350	350	U		ug/kg	SW846 8270
Hexachloroethane	67-72-1	350	350	U		ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	350	350	U		ug/kg	SW846 8270
Isophorone	78-59-1	350	350	U		ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	350	350	U		ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	350	350	U		ug/kg	SW846 8270
Naphthalene	91-20-3	350	350	U		ug/kg	SW846 8270
Nitrobenzene	98-95-3	350	350	U		ug/kg	SW846 8270
Pentachlorophenol	87-86-5	1700	1700	U		ug/kg	SW846 8270
Phenanthrene	85-01-8	350	350	U		ug/kg	SW846 8270
Phenol	108-95-2	350	350	U		ug/kg	SW846 8270
Pyrene	129-00-0	350	350	U		ug/kg	SW846 8270
Pyridine	110-86-1	350	350	U		ug/kg	SW846 8270

VOLATILE ORGANICS

1,1,1,2-Tetrachloroethane	630-20-6	5	5	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	5	5	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	5	5	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	5	5	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	5	5	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	5	5	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	5	5	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	5	5	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	5	5	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	5	5	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	5	5	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	5	5	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	5	5	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	5	5	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	5	5	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	5	5	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	5	5	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	5	5	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	5	5	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	5	5	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	5	5	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	5	5	U	U	ug/kg	SW846 8260

Location: SB103
Sample ID: 10SB114 **Depth:** 25.0-25.5
COE Sample ID: FH010-SB114/12-18-96/25.0-25.5
Date Collected: 12/18/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
4-Chlorotoluene	106-43-4	5	5	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	5	5	U	U	ug/kg	SW846 8260
Acetone	67-64-1	420	27	D		ug/kg	SW846 8260
Benzene	71-43-2	5	5	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	5	5	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	5	5	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	5	5	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	5	5	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	5	5	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	5	5	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	5	5	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	5	5	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	5	5	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	5	5	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	5	5	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	5	5	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	5	5	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	5	5	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	5	5	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	5	5	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	5	5	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	10	5		U	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	5	5	U	U	ug/kg	SW846 8260
n-propylbenzene	103-65-1	5	5	U	U	ug/kg	SW846 8260
Naphthalene	91-20-3	5	5	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	5	5	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	5	5	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	5	5	U	U	ug/kg	SW846 8260
Styrene	100-42-5	5	5	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	5	5	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	5	5	U	U	ug/kg	SW846 8260
Toluene	108-88-3	15	5			ug/kg	SW846 8260
Trichloroethene	79-01-6	11	5			ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	5	5	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	5	5	U	U	ug/kg	SW846 8260

Location: SB104
Sample ID: 10SB110 **Depth:** 0.0-1.0
COE Sample ID: FH010-SB110/12-18-96/0.0-1.0
Date Collected: 12/18/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	5.5	0.42			mg/kg	SW846 6010
Barium	7440-39-3	51.3	0.1			mg/kg	SW846 6010
Cadmium	7440-43-9	0.58	0.05	B		mg/kg	SW846 6010
Chromium	7440-47-3	10.2	0.1			mg/kg	SW846 6010
Lead	7439-92-1	13.9	0.18			mg/kg	SW846 6010
Mercury	7439-97-6	0.04	0.04	U		mg/kg	SW846 7470
Selenium	7782-49-2	0.38	0.38	U		mg/kg	SW846 6010
Silver	7440-22-4	0.24	0.24	U		mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	420	420	U		ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	420	420	U		ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	420	420	U		ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	420	420	U		ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	420	420	U		ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	420	420	U		ug/kg	SW846 8270

Location: SB104
Sample ID: 10SB110 Depth: 0.0-1.0
COE Sample ID: FH010-SB110/12-18-96/0.0-1.0
Date Collected: 12/18/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
2,4,5-Trichlorophenol	95-95-4	2000	2000	U		ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	420	420	U		ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	420	420	U		ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	420	420	U		ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	2000	2000	U		ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	420	420	U		ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	420	420	U		ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	420	420	U		ug/kg	SW846 8270
2-Chlorophenol	95-57-8	420	420	U		ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	420	420	U		ug/kg	SW846 8270
2-Methylphenol	95-48-7	420	420	U		ug/kg	SW846 8270
2-Nitroaniline	88-74-4	2000	2000	U		ug/kg	SW846 8270
2-Nitrophenol	88-75-5	420	420	U		ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	840	840	U		ug/kg	SW846 8270
3-Nitroaniline	99-09-2	2000	2000	U		ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	2000	2000	U		ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	420	420	U		ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	420	420	U		ug/kg	SW846 8270
4-Chloroaniline	106-47-8	420	420	U		ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	420	420	U		ug/kg	SW846 8270
4-Methylphenol	106-44-5	420	420	U		ug/kg	SW846 8270
4-Nitroaniline	100-01-6	2000	2000	U		ug/kg	SW846 8270
4-Nitrophenol	100-02-7	2000	2000	U		ug/kg	SW846 8270
Acenaphthene	83-32-9	420	420	U		ug/kg	SW846 8270
Acenaphthylene	208-96-8	420	420	U		ug/kg	SW846 8270
Anthracene	120-12-7	420	420	U		ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	420	420	U		ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	420	420	U		ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	420	420	U		ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	420	420	U		ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	420	420	U		ug/kg	SW846 8270
Benzoic Acid	65-85-0	2000	2000	U		ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	420	420	U		ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	420	420	U		ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	420	420	U		ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	420	420	U		ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	420	420	U		ug/kg	SW846 8270
Chrysene	218-01-9	420	420	U		ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	420	420	U		ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	420	420	U		ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	420	420	U		ug/kg	SW846 8270
Dibenzofuran	132-64-9	420	420	U		ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	420	420	U		ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	420	420	U		ug/kg	SW846 8270
Fluoranthene	206-44-0	420	420	U		ug/kg	SW846 8270
Fluorene	86-73-7	420	420	U		ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	420	420	U		ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	420	420	U		ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	420	420	U		ug/kg	SW846 8270
Hexachloroethane	67-72-1	420	420	U		ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	420	420	U		ug/kg	SW846 8270
Isophorone	78-59-1	420	420	U		ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	420	420	U		ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	420	420	U		ug/kg	SW846 8270
Naphthalene	91-20-3	420	420	U		ug/kg	SW846 8270
Nitrobenzene	98-95-3	420	420	U		ug/kg	SW846 8270
Pentachlorophenol	87-86-5	2000	2000	U		ug/kg	SW846 8270
Phenanthrene	85-01-8	420	420	U		ug/kg	SW846 8270
Phenol	108-95-2	420	420	U		ug/kg	SW846 8270
Pyrene	129-00-0	420	420	U		ug/kg	SW846 8270
Pyridine	110-86-1	420	420	U		ug/kg	SW846 8270

VOLATILE ORGANICS

1,1,1,2-Tetrachloroethane	630-20-6	6	6	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	6	6	U	U	ug/kg	SW846 8260

Location: SB104
Sample ID: 10SB110 **Depth:** 0.0-1.0
COE Sample ID: FH010-SB110/12-18-96/0.0-1.0
Date Collected: 12/18/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
1,1,2,2-Tetrachloroethane	79-34-5	6	6	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	6	6	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	6	6	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	6	6	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	6	6	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	6	6	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	6	6	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	6	6	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	6	6	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	6	6	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	6	6	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	6	6	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	6	6	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	6	6	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	6	6	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	6	6	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	6	6	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	6	6	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	6	6	U	U	ug/kg	SW846 8260
Acetone	67-64-1	13	6		U	ug/kg	SW846 8260
Benzene	71-43-2	6	6	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	6	6	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	6	6	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	6	6	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	6	6	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	6	6	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	6	6	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	6	6	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	6	6	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	6	6	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	6	6	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	6	6	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	6	6	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	6	6	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	6	6	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	6	6	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	6	6	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	6	6	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	3	6	J	U	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	6	6	U	U	ug/kg	SW846 8260
n-propylbenzene	103-65-1	6	6	U	U	ug/kg	SW846 8260
Naphthalene	91-20-3	6	6	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	6	6	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	6	6	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	6	6	U	U	ug/kg	SW846 8260
Styrene	100-42-5	6	6	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	6	6	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	6	6	U	U	ug/kg	SW846 8260
Toluene	108-88-3	6	6	U	U	ug/kg	SW846 8260
Trichloroethene	79-01-6	6	6	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	6	6	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	6	6	U	U	ug/kg	SW846 8260

Location: SB104
Sample ID: 10SB111 Depth: 25.0-25.5
COE Sample ID: FH010-SB111/12-18-96/25.0-25.5
Date Collected: 12/18/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	4.6	0.36			mg/kg	SW846 6010
Barium	7440-39-3	2.3	0.09			mg/kg	SW846 6010
Cadmium	7440-43-9	0.04	0.04	U		mg/kg	SW846 6010
Chromium	7440-47-3	2	0.09			mg/kg	SW846 6010
Lead	7439-92-1	2.9	0.15			mg/kg	SW846 6010
Mercury	7439-97-6	0.04	0.04	U		mg/kg	SW846 7470
Selenium	7782-49-2	0.32	0.32	U		mg/kg	SW846 6010
Silver	7440-22-4	0.2	0.2	U		mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	350	350	U		ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	350	350	U		ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	350	350	U		ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	350	350	U		ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	350	350	U		ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	350	350	U		ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	1700	1700	U		ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	350	350	U		ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	350	350	U		ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	350	350	U		ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	1700	1700	U		ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	350	350	U		ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	350	350	U		ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	350	350	U		ug/kg	SW846 8270
2-Chlorophenol	95-57-8	350	350	U		ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	350	350	U		ug/kg	SW846 8270
2-Methylphenol	95-48-7	350	350	U		ug/kg	SW846 8270
2-Nitroaniline	88-74-4	1700	1700	U		ug/kg	SW846 8270
2-Nitrophenol	88-75-5	350	350	U		ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	710	710	U		ug/kg	SW846 8270
3-Nitroaniline	99-09-2	1700	1700	U		ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	1700	1700	U		ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	350	350	U		ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	350	350	U		ug/kg	SW846 8270
4-Chloroaniline	106-47-8	350	350	U		ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	350	350	U		ug/kg	SW846 8270
4-Methylphenol	106-44-5	350	350	U		ug/kg	SW846 8270
4-Nitroaniline	100-01-6	1700	1700	U		ug/kg	SW846 8270
4-Nitrophenol	100-02-7	1700	1700	U		ug/kg	SW846 8270
Acenaphthene	83-32-9	350	350	U		ug/kg	SW846 8270
Acenaphthylene	208-96-8	350	350	U		ug/kg	SW846 8270
Anthracene	120-12-7	350	350	U		ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	350	350	U		ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	350	350	U		ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	350	350	U		ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	350	350	U		ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	350	350	U		ug/kg	SW846 8270
Benzoic Acid	65-85-0	1700	1700	U		ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	350	350	U		ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	350	350	U		ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	350	350	U		ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	350	350	U		ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	350	350	U		ug/kg	SW846 8270
Chrysene	218-01-9	350	350	U		ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	350	350	U		ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	350	350	U		ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	350	350	U		ug/kg	SW846 8270
Dibenzofuran	132-64-9	350	350	U		ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	350	350	U		ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	350	350	U		ug/kg	SW846 8270
Fluoranthene	206-44-0	350	350	U		ug/kg	SW846 8270
Fluorene	86-73-7	350	350	U		ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	350	350	U		ug/kg	SW846 8270

Location: SB104
Sample ID: 10SB111 Depth: 25.0-25.5
COE Sample ID: FH010-SB111/12-18-96/25.0-25.5
Date Collected: 12/18/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Hexachlorobutadiene	87-68-3	350	350	U		ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	350	350	U		ug/kg	SW846 8270
Hexachloroethane	67-72-1	350	350	U		ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	350	350	U		ug/kg	SW846 8270
Isophorone	78-59-1	350	350	U		ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	350	350	U		ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	350	350	U		ug/kg	SW846 8270
Naphthalene	91-20-3	350	350	U		ug/kg	SW846 8270
Nitrobenzene	98-95-3	350	350	U		ug/kg	SW846 8270
Pentachlorophenol	87-86-5	1700	1700	U		ug/kg	SW846 8270
Phenanthrene	85-01-8	350	350	U		ug/kg	SW846 8270
Phenol	108-95-2	350	350	U		ug/kg	SW846 8270
Pyrene	129-00-0	350	350	U		ug/kg	SW846 8270
Pyridine	110-86-1	350	350	U		ug/kg	SW846 8270

VOLATILE ORGANICS

1,1,1,2-Tetrachloroethane	630-20-6	5	5	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	5	5	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	5	5	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	5	5	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	5	5	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	5	5	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	5	5	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	5	5	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	5	5	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	5	5	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	5	5	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	5	5	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	5	5	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	5	5	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	5	5	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	5	5	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	5	5	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	5	5	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	5	5	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	5	5	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	5	5	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	5	5	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	5	5	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	5	5	U	U	ug/kg	SW846 8260
Acetone	67-64-1	110	5		U	ug/kg	SW846 8260
Benzene	71-43-2	5	5	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	5	5	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	5	5	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	5	5	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	5	5	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	5	5	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	5	5	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	5	5	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	5	5	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	5	5	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	5	5	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	5	5	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	5	5	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	5	5	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	5	5	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	5	5	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	5	5	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	5	5	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	11	5		U	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	5	5	U	U	ug/kg	SW846 8260

Location: SB104
Sample ID: 10SB111 Depth: 25.0-25.5
COE Sample ID: FH010-SB111/12-18-96/25.0-25.5
Date Collected: 12/18/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
n-propylbenzene	103-65-1	5	5	U	U	ug/kg	SW846 8260
Naphthalene	91-20-3	5	5	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	5	5	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	5	5	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	5	5	U	U	ug/kg	SW846 8260
Styrene	100-42-5	5	5	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	5	5	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	5	5	U	U	ug/kg	SW846 8260
Toluene	108-88-3	5	5	J	J	ug/kg	SW846 8260
Trichloroethene	79-01-6	8	5			ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	5	5	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	5	5	U	U	ug/kg	SW846 8260

Location: SB105
Sample ID: 10SB107 Depth: 0.0-1.0
COE Sample ID: FH010-SB107/12-17-96/0.0-1.0
Date Collected: 12/17/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	3.4	0.4			mg/kg	SW846 6010
Barium	7440-39-3	23.5	0.1			mg/kg	SW846 6010
Cadmium	7440-43-9	0.07	0.05	B		mg/kg	SW846 6010
Chromium	7440-47-3	6.6	0.1			mg/kg	SW846 6010
Lead	7439-92-1	3.5	0.17			mg/kg	SW846 6010
Mercury	7439-97-6	0.04	0.04	U		mg/kg	SW846 6010
Selenium	7782-49-2	0.36	0.36	U		mg/kg	SW846 6010
Silver	7440-22-4	0.23	0.23	U		mg/kg	SW846 6010

SEMIVOLATILE ORGANICS

1,2,4,5-Tetrachlorobenzene	95-94-3	400	400	U		ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	400	400	U		ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	400	400	U		ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	400	400	U		ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	400	400	U		ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	400	400	U		ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	1900	1900	U		ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	400	400	U		ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	400	400	U		ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	400	400	U		ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	1900	1900	U		ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	400	400	U		ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	400	400	U		ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	400	400	U		ug/kg	SW846 8270
2-Chlorophenol	95-57-8	400	400	U		ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	400	400	U		ug/kg	SW846 8270
2-Methylphenol	95-48-7	400	400	U		ug/kg	SW846 8270
2-Nitroaniline	88-74-4	1900	1900	U		ug/kg	SW846 8270
2-Nitrophenol	88-75-5	400	400	U		ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	800	800	U		ug/kg	SW846 8270
3-Nitroaniline	99-09-2	1900	1900	U		ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	1900	1900	U		ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	400	400	U		ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	400	400	U		ug/kg	SW846 8270
4-Chloroaniline	106-47-8	400	400	U		ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	400	400	U		ug/kg	SW846 8270
4-Methylphenol	106-44-5	400	400	U		ug/kg	SW846 8270
4-Nitroaniline	100-01-6	1900	1900	U		ug/kg	SW846 8270
4-Nitrophenol	100-02-7	1900	1900	U		ug/kg	SW846 8270

Location: SB105
Sample ID: 10SB107 Depth: 0.0-1.0
COE Sample ID: FH010-SB107/12-17-96/0.0-1.0
Date Collected: 12/17/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Acenaphthene	83-32-9	400	400	U		ug/kg	SW846 8270
Acenaphthylene	208-96-8	400	400	U		ug/kg	SW846 8270
Anthracene	120-12-7	400	400	U		ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	400	400	U		ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	400	400	U		ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	400	400	U		ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	400	400	U		ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	400	400	U		ug/kg	SW846 8270
Benzoic Acid	65-85-0	1900	1900	U		ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	400	400	U		ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	400	400	U		ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	400	400	U		ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	400	400	U		ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	400	400	U		ug/kg	SW846 8270
Chrysene	218-01-9	400	400	U		ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	400	400	U		ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	400	400	U		ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	400	400	U		ug/kg	SW846 8270
Dibenzofuran	132-64-9	400	400	U		ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	400	400	U		ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	400	400	U		ug/kg	SW846 8270
Fluoranthene	206-44-0	400	400	U		ug/kg	SW846 8270
Fluorene	86-73-7	400	400	U		ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	400	400	U		ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	400	400	U		ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	400	400	U		ug/kg	SW846 8270
Hexachloroethane	67-72-1	400	400	U		ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	400	400	U		ug/kg	SW846 8270
Isophorone	78-59-1	400	400	U		ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	400	400	U		ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	400	400	U		ug/kg	SW846 8270
Naphthalene	91-20-3	400	400	U		ug/kg	SW846 8270
Nitrobenzene	98-95-3	400	400	U		ug/kg	SW846 8270
Pentachlorophenol	87-86-5	1900	1900	U		ug/kg	SW846 8270
Phenanthrene	85-01-8	400	400	U		ug/kg	SW846 8270
Phenol	108-95-2	400	400	U		ug/kg	SW846 8270
Pyrene	129-00-0	400	400	U		ug/kg	SW846 8270
Pyridine	110-86-1	400	400	U		ug/kg	SW846 8270

VOLATILE ORGANICS

1,1,1,2-Tetrachloroethane	630-20-6	6	6	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	6	6	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	6	6	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	6	6	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	6	6	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	6	6	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	6	6	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	6	6	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	6	6	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	6	6	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	6	6	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	6	6	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	6	6	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	6	6	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	6	6	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	6	6	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	6	6	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	6	6	U	U	ug/kg	SW846 8260

Location: SB105
Sample ID: 10SB107 **Depth:** 0.0-1.0
COE Sample ID: FH010-SB107/12-17-96/0.0-1.0
Date Collected: 12/17/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
2-Hexanone	591-78-6	6	6	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	6	6	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	6	6	U	U	ug/kg	SW846 8260
Acetone	67-64-1	140	6	B		ug/kg	SW846 8260
Benzene	71-43-2	6	6	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	6	6	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	6	6	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	6	6	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	6	6	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	6	6	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	6	6	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	6	6	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	6	6	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	6	6	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	6	6	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	6	6	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	6	6	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	6	6	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	6	6	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	6	6	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	6	6	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	6	6	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	2	6	JB	U	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	6	6	U	U	ug/kg	SW846 8260
n-propylbenzene	103-65-1	6	6	U	U	ug/kg	SW846 8260
Naphthalene	91-20-3	6	6	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	6	6	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	6	6	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	6	6	U	U	ug/kg	SW846 8260
Styrene	100-42-5	6	6	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	6	6	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	6	6	U	U	ug/kg	SW846 8260
Toluene	108-88-3	7	6			ug/kg	SW846 8260
Trichloroethene	79-01-6	6	6	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	6	6	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	6	6	U	U	ug/kg	SW846 8260

Location: SB105
Sample ID: 10SB108 **Depth:** 16.0-17.0
COE Sample ID: FH010-SB108/12-17-96/16.0-17.0
Date Collected: 12/17/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	1.9	0.34			mg/kg	SW846 6010
Barium	7440-39-3	1.8	0.08			mg/kg	SW846 6010
Cadmium	7440-43-9	0.04	0.04	U		mg/kg	SW846 6010
Chromium	7440-47-3	1.1	0.08			mg/kg	SW846 6010
Lead	7439-92-1	2	0.15			mg/kg	SW846 6010
Mercury	7439-97-6	0.03	0.03	U		mg/kg	SW846 6010
Selenium	7782-49-2	0.31	0.31	U		mg/kg	SW846 6010
Silver	7440-22-4	0.2	0.2	U		mg/kg	SW846 6010

SEMIVOLATILE ORGANICS

1,2,4,5-Tetrachlorobenzene	95-94-3	340	340	U		ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	340	340	U		ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	340	340	U		ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	340	340	U		ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	340	340	U		ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	340	340	U		ug/kg	SW846 8270

Location: SB105
Sample ID: 10SB108 Depth: 16.0-17.0
COE Sample ID: FH010-SB108/12-17-96/16.0-17.0
Date Collected: 12/17/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
2,4,5-Trichlorophenol	95-95-4	1700	1700	U		ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	340	340	U		ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	340	340	U		ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	340	340	U		ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	1700	1700	U		ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	340	340	U		ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	340	340	U		ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	340	340	U		ug/kg	SW846 8270
2-Chlorophenol	95-57-8	340	340	U		ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	340	340	U		ug/kg	SW846 8270
2-Methylphenol	95-48-7	340	340	U		ug/kg	SW846 8270
2-Nitroaniline	88-74-4	1700	1700	U		ug/kg	SW846 8270
2-Nitrophenol	88-75-5	340	340	U		ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	690	690	U		ug/kg	SW846 8270
3-Nitroaniline	99-09-2	1700	1700	U		ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	1700	1700	U		ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	340	340	U		ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	340	340	U		ug/kg	SW846 8270
4-Chloroaniline	106-47-8	340	340	U		ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	340	340	U		ug/kg	SW846 8270
4-Methylphenol	106-44-5	340	340	U		ug/kg	SW846 8270
4-Nitroaniline	100-01-6	1700	1700	U		ug/kg	SW846 8270
4-Nitrophenol	100-02-7	1700	1700	U		ug/kg	SW846 8270
Acenaphthene	83-32-9	340	340	U		ug/kg	SW846 8270
Acenaphthylene	208-96-8	340	340	U		ug/kg	SW846 8270
Anthracene	120-12-7	340	340	U		ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	340	340	U		ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	340	340	U		ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	340	340	U		ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	340	340	U		ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	340	340	U		ug/kg	SW846 8270
Benzoic Acid	65-85-0	1700	1700	U		ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	340	340	U		ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	340	340	U		ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	340	340	U		ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	38	340	J		ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	340	340	U		ug/kg	SW846 8270
Chrysene	218-01-9	340	340	U		ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	340	340	U		ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	340	340	U		ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	340	340	U		ug/kg	SW846 8270
Dibenzofuran	132-64-9	340	340	U		ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	340	340	U		ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	340	340	U		ug/kg	SW846 8270
Fluoranthene	206-44-0	340	340	U		ug/kg	SW846 8270
Fluorene	86-73-7	340	340	U		ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	340	340	U		ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	340	340	U		ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	340	340	U		ug/kg	SW846 8270
Hexachloroethane	67-72-1	340	340	U		ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	340	340	U		ug/kg	SW846 8270
Isophorone	78-59-1	340	340	U		ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	340	340	U		ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	340	340	U		ug/kg	SW846 8270
Naphthalene	91-20-3	340	340	U		ug/kg	SW846 8270
Nitrobenzene	98-95-3	340	340	U		ug/kg	SW846 8270
Pentachlorophenol	87-86-5	1700	1700	U		ug/kg	SW846 8270
Phenanthrene	85-01-8	340	340	U		ug/kg	SW846 8270
Phenol	108-95-2	340	340	U		ug/kg	SW846 8270
Pyrene	129-00-0	340	340	U		ug/kg	SW846 8270
Pyridine	110-86-1	340	340	U		ug/kg	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	5	5	U	U	ug/kg	SW846 8260

Location: SB105

Sample ID: 10SB108 Depth: 16.0-17.0

COE Sample ID: FH010-SB108/12-17-96/16.0-17.0

Date Collected: 12/17/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	5	5	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	5	5	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	5	5	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	5	5	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	5	5	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	5	5	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	5	5	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	5	5	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	5	5	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	5	5	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	5	5	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	5	5	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	5	5	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	5	5	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	5	5	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	5	5	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	5	5	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	5	5	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	5	5	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	5	5	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	5	5	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	5	5	U	U	ug/kg	SW846 8260
Acetone	67-64-1	15	5	B	U	ug/kg	SW846 8260
Benzene	71-43-2	5	5	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	5	5	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	5	5	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	5	5	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	5	5	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	5	5	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	5	5	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	5	5	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	5	5	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	5	5	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	5	5	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	5	5	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	5	5	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	5	5	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	5	5	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	5	5	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	5	5	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	5	5	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	2	5	JB	U	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	5	5	U	U	ug/kg	SW846 8260
n-propylbenzene	103-65-1	5	5	U	U	ug/kg	SW846 8260
Naphthalene	91-20-3	5	5	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	5	5	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	5	5	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	5	5	U	U	ug/kg	SW846 8260
Styrene	100-42-5	5	5	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	5	5	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	5	5	U	U	ug/kg	SW846 8260
Toluene	108-88-3	5	5	U	U	ug/kg	SW846 8260
Trichloroethene	79-01-6	5	5	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	5	5	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	5	5	U	U	ug/kg	SW846 8260

Location: SB105
Sample ID: 10SB109 Depth: 27.0-28.0
COE Sample ID: FH010-SB109/12-17-96/27.0-28.0
Date Collected: 12/17/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	4.2	0.35			mg/kg	SW846 6010
Barium	7440-39-3	2	0.09			mg/kg	SW846 6010
Cadmium	7440-43-9	0.04	0.04	U		mg/kg	SW846 6010
Chromium	7440-47-3	1.4	0.09			mg/kg	SW846 6010
Lead	7439-92-1	3.1	0.15			mg/kg	SW846 6010
Mercury	7439-97-6	0.04	0.04	U		mg/kg	SW846 6010
Selenium	7782-49-2	0.32	0.32	U		mg/kg	SW846 6010
Silver	7440-22-4	0.2	0.2	U		mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	350	350	U		ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	350	350	U		ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	350	350	U		ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	350	350	U		ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	350	350	U		ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	350	350	U		ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	1700	1700	U		ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	350	350	U		ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	350	350	U		ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	350	350	U		ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	1700	1700	U		ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	350	350	U		ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	350	350	U		ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	350	350	U		ug/kg	SW846 8270
2-Chlorophenol	95-57-8	350	350	U		ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	350	350	U		ug/kg	SW846 8270
2-Methylphenol	95-48-7	350	350	U		ug/kg	SW846 8270
2-Nitroaniline	88-74-4	1700	1700	U		ug/kg	SW846 8270
2-Nitrophenol	88-75-5	350	350	U		ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	710	710	U		ug/kg	SW846 8270
3-Nitroaniline	99-09-2	1700	1700	U		ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	1700	1700	U		ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	350	350	U		ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	350	350	U		ug/kg	SW846 8270
4-Chloroaniline	106-47-8	350	350	U		ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	350	350	U		ug/kg	SW846 8270
4-Methylphenol	106-44-5	350	350	U		ug/kg	SW846 8270
4-Nitroaniline	100-01-6	1700	1700	U		ug/kg	SW846 8270
4-Nitrophenol	100-02-7	1700	1700	U		ug/kg	SW846 8270
Acenaphthene	83-32-9	350	350	U		ug/kg	SW846 8270
Acenaphthylene	208-96-8	350	350	U		ug/kg	SW846 8270
Anthracene	120-12-7	350	350	U		ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	350	350	U		ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	350	350	U		ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	350	350	U		ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	350	350	U		ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	350	350	U		ug/kg	SW846 8270
Benzoic Acid	65-85-0	1700	1700	U		ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	350	350	U		ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	350	350	U		ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	350	350	U		ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	350	350	U		ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	350	350	U		ug/kg	SW846 8270
Chrysene	218-01-9	350	350	U		ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	350	350	U		ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	350	350	U		ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	350	350	U		ug/kg	SW846 8270
Dibenzofuran	132-64-9	350	350	U		ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	350	350	U		ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	350	350	U		ug/kg	SW846 8270
Fluoranthene	206-44-0	350	350	U		ug/kg	SW846 8270
Fluorene	86-73-7	350	350	U		ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	350	350	U		ug/kg	SW846 8270

Location: SB105
Sample ID: 10SB109 **Depth:** 27.0-28.0
COE Sample ID: FH010-SB109/12-17-96/27.0-28.0
Date Collected: 12/17/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Hexachlorobutadiene	87-68-3	350	350	U		ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	350	350	U		ug/kg	SW846 8270
Hexachloroethane	67-72-1	350	350	U		ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	350	350	U		ug/kg	SW846 8270
Isophorone	78-59-1	350	350	U		ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	350	350	U		ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	350	350	U		ug/kg	SW846 8270
Naphthalene	91-20-3	350	350	U		ug/kg	SW846 8270
Nitrobenzene	98-95-3	350	350	U		ug/kg	SW846 8270
Pentachlorophenol	87-86-5	1700	1700	U		ug/kg	SW846 8270
Phenanthrene	85-01-8	350	350	U		ug/kg	SW846 8270
Phenol	108-95-2	350	350	U		ug/kg	SW846 8270
Pyrene	129-00-0	350	350	U		ug/kg	SW846 8270
Pyridine	110-86-1	350	350	U		ug/kg	SW846 8270

VOLATILE ORGANICS

1,1,1,2-Tetrachloroethane	630-20-6	5	5	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	5	5	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	5	5	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	5	5	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	5	5	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	5	5	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	5	5	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	5	5	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	5	5	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	5	5	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	5	5	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	5	5	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	5	5	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	5	5	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	5	5	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	5	5	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	5	5	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	5	5	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	5	5	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	5	5	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	5	5	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	5	5	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	5	5	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	5	5	U	U	ug/kg	SW846 8260
Acetone	67-64-1	43	5	B	U	ug/kg	SW846 8260
Benzene	71-43-2	5	5	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	5	5	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	5	5	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	5	5	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	5	5	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	5	5	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	5	5	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	5	5	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	5	5	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	5	5	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	5	5	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	5	5	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	5	5	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	5	5	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	5	5	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	5	5	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	5	5	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	5	5	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	2	5	JB	U	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	5	5	U	U	ug/kg	SW846 8260

Location: SB105
Sample ID: 10SB109 **Depth:** 27.0-28.0
COE Sample ID: FH010-SB109/12-17-96/27.0-28.0
Date Collected: 12/17/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
n-propylbenzene	103-65-1	5	5	U	U	ug/kg	SW846 8260
Naphthalene	91-20-3	5	5	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	5	5	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	5	5	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	5	5	U	U	ug/kg	SW846 8260
Styrene	100-42-5	5	5	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	5	5	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	5	5	U	U	ug/kg	SW846 8260
Toluene	108-88-3	26	5			ug/kg	SW846 8260
Trichloroethene	79-01-6	4	5	J	J	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	5	5	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	5	5	U	U	ug/kg	SW846 8260

Location: SB106
Sample ID: 10SB104 **Depth:** NA
COE Sample ID: FH010-SB104/12-16-96/0.0-0.5
Date Collected: 12/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	3.9	0.4			mg/kg	SW846 6010
Barium	7440-39-3	55.3	0.1			mg/kg	SW846 6010
Cadmium	7440-43-9	0.14	0.05	B		mg/kg	SW846 6010
Chromium	7440-47-3	7.1	0.1			mg/kg	SW846 6010
Lead	7439-92-1	7.5	0.17			mg/kg	SW846 6010
Mercury	7439-97-6	0.04	0.04	U		mg/kg	SW846 7470
Selenium	7782-49-2	0.36	0.36	U		mg/kg	SW846 6010
Silver	7440-22-4	0.23	0.23	U		mg/kg	SW846 6010

SEMIVOLATILE ORGANICS

1,2,4,5-Tetrachlorobenzene	95-94-3	400	400	U		ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	400	400	U		ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	400	400	U		ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	400	400	U		ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	400	400	U		ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	400	400	U		ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	1900	1900	U		ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	400	400	U		ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	400	400	U		ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	400	400	U		ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	1900	1900	U		ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	400	400	U		ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	400	400	U		ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	400	400	U		ug/kg	SW846 8270
2-Chlorophenol	95-57-8	400	400	U		ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	400	400	U		ug/kg	SW846 8270
2-Methylphenol	95-48-7	400	400	U		ug/kg	SW846 8270
2-Nitroaniline	88-74-4	1900	1900	U		ug/kg	SW846 8270
2-Nitrophenol	88-75-5	400	400	U		ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	800	800	U		ug/kg	SW846 8270
3-Nitroaniline	99-09-2	1900	1900	U		ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	1900	1900	U		ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	400	400	U		ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	400	400	U		ug/kg	SW846 8270
4-Chloroaniline	106-47-8	400	400	U		ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	400	400	U		ug/kg	SW846 8270
4-Methylphenol	106-44-5	400	400	U		ug/kg	SW846 8270
4-Nitroaniline	100-01-6	1900	1900	U		ug/kg	SW846 8270
4-Nitrophenol	100-02-7	1900	1900	U		ug/kg	SW846 8270

Location: SB106
Sample ID: 10SB104 Depth: NA
COE Sample ID: FH010-SB104/12-16-96/0.0-0.5
Date Collected: 12/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Acenaphthene	83-32-9	400	400	U		ug/kg	SW846 8270
Acenaphthylene	208-96-8	400	400	U		ug/kg	SW846 8270
Anthracene	120-12-7	400	400	U		ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	400	400	U		ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	400	400	U		ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	400	400	U		ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	400	400	U		ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	400	400	U		ug/kg	SW846 8270
Benzoic Acid	65-85-0	1900	1900	U		ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	400	400	U		ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	400	400	U		ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	400	400	U		ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	400	400	U		ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	400	400	U		ug/kg	SW846 8270
Chrysene	218-01-9	400	400	U		ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	400	400	U		ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	400	400	U		ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	400	400	U		ug/kg	SW846 8270
Dibenzofuran	132-64-9	400	400	U		ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	400	400	U		ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	400	400	U		ug/kg	SW846 8270
Fluoranthene	206-44-0	400	400	U		ug/kg	SW846 8270
Fluorene	86-73-7	400	400	U		ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	400	400	U		ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	400	400	U		ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	400	400	U		ug/kg	SW846 8270
Hexachloroethane	67-72-1	400	400	U		ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	400	400	U		ug/kg	SW846 8270
Isophorone	78-59-1	400	400	U		ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	400	400	U		ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	400	400	U		ug/kg	SW846 8270
Naphthalene	91-20-3	400	400	U		ug/kg	SW846 8270
Nitrobenzene	98-95-3	400	400	U		ug/kg	SW846 8270
Pentachlorophenol	87-86-5	1900	1900	U		ug/kg	SW846 8270
Phenanthrene	85-01-8	400	400	U		ug/kg	SW846 8270
Phenol	108-95-2	400	400	U		ug/kg	SW846 8270
Pyrene	129-00-0	400	400	U		ug/kg	SW846 8270
Pyridine	110-86-1	400	400	U		ug/kg	SW846 8270

VOLATILE ORGANICS

1,1,1,2-Tetrachloroethane	630-20-6	6	6	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	6	6	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	6	6	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	6	6	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	6	6	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	6	6	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	6	6	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	6	6	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	6	6	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	6	6	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	6	6	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	6	6	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	6	6	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	6	6	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	6	6	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	6	6	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	6	6	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	6	6	U	U	ug/kg	SW846 8260

Location: SB106
Sample ID: 10SB104 **Depth:** NA
COE Sample ID: FH010-SB104/12-16-96/0.0-0.5
Date Collected: 12/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
2-Hexanone	591-78-6	6	6	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	6	6	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	6	6	U	U	ug/kg	SW846 8260
Acetone	67-64-1	5	6	JB	U	ug/kg	SW846 8260
Benzene	71-43-2	6	6	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	6	6	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	6	6	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	6	6	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	6	6	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	6	6	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	6	6	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	6	6	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	6	6	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	6	6	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	6	6	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	6	6	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	6	6	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	6	6	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	6	6	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	6	6	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	6	6	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	6	6	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	6	6	U	U	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	6	6	U	U	ug/kg	SW846 8260
n-propylbenzene	103-65-1	6	6	U	U	ug/kg	SW846 8260
Naphthalene	91-20-3	6	6	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	6	6	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	6	6	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	6	6	U	U	ug/kg	SW846 8260
Styrene	100-42-5	6	6	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	6	6	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	6	6	U	U	ug/kg	SW846 8260
Toluene	108-88-3	10	6			ug/kg	SW846 8260
Trichloroethene	79-01-6	2	6	J	J	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	6	6	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	6	6	U	U	ug/kg	SW846 8260

Location: SB106
Sample ID: 10SB105 **Depth:** 15.5-16.0
COE Sample ID: FH010-SB105/12-16-96/15.5-16.0
Date Collected: 12/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	13.3	0.37			mg/kg	SW846 6010
Barium	7440-39-3	7.7	0.09			mg/kg	SW846 6010
Cadmium	7440-43-9	0.15	0.04	B		mg/kg	SW846 6010
Chromium	7440-47-3	5.6	0.09			mg/kg	SW846 6010
Lead	7439-92-1	14.4	0.15			mg/kg	SW846 6010
Mercury	7439-97-6	0.04	0.04	U		mg/kg	SW846 7470
Selenium	7782-49-2	0.33	0.33	U		mg/kg	SW846 6010
Silver	7440-22-4	0.21	0.21	U		mg/kg	SW846 6010

SEMIVOLATILE ORGANICS

1,2,4,5-Tetrachlorobenzene	95-94-3	370	370	U		ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	370	370	U		ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	370	370	U		ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	370	370	U		ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	370	370	U		ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	370	370	U		ug/kg	SW846 8270

Location: SB106
Sample ID: 10SB105 **Depth:** 15.5-16.0
COE Sample ID: FH010-SB105/12-16-96/15.5-16.0
Date Collected: 12/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
2,4,5-Trichlorophenol	95-95-4	1800	1800	U		ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	370	370	U		ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	370	370	U		ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	370	370	U		ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	1800	1800	U		ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	370	370	U		ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	370	370	U		ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	370	370	U		ug/kg	SW846 8270
2-Chlorophenol	95-57-8	370	370	U		ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	370	370	U		ug/kg	SW846 8270
2-Methylphenol	95-48-7	370	370	U		ug/kg	SW846 8270
2-Nitroaniline	88-74-4	1800	1800	U		ug/kg	SW846 8270
2-Nitrophenol	88-75-5	370	370	U		ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	730	730	U		ug/kg	SW846 8270
3-Nitroaniline	99-09-2	1800	1800	U		ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	1800	1800	U		ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	370	370	U		ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	370	370	U		ug/kg	SW846 8270
4-Chloroaniline	106-47-8	370	370	U		ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	370	370	U		ug/kg	SW846 8270
4-Methylphenol	106-44-5	370	370	U		ug/kg	SW846 8270
4-Nitroaniline	100-01-6	1800	1800	U		ug/kg	SW846 8270
4-Nitrophenol	100-02-7	1800	1800	U		ug/kg	SW846 8270
Acenaphthene	83-32-9	370	370	U		ug/kg	SW846 8270
Acenaphthylene	208-96-8	370	370	U		ug/kg	SW846 8270
Anthracene	120-12-7	370	370	U		ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	370	370	U		ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	370	370	U		ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	370	370	U		ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	370	370	U		ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	370	370	U		ug/kg	SW846 8270
Benzoic Acid	65-85-0	1800	1800	U		ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	370	370	U		ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	370	370	U		ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	370	370	U		ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	370	370	U		ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	370	370	U		ug/kg	SW846 8270
Chrysene	218-01-9	370	370	U		ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	370	370	U		ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	370	370	U		ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	370	370	U		ug/kg	SW846 8270
Dibenzofuran	132-64-9	370	370	U		ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	370	370	U		ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	370	370	U		ug/kg	SW846 8270
Fluoranthene	206-44-0	370	370	U		ug/kg	SW846 8270
Fluorene	86-73-7	370	370	U		ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	370	370	U		ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	370	370	U		ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	370	370	U		ug/kg	SW846 8270
Hexachloroethane	67-72-1	370	370	U		ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	370	370	U		ug/kg	SW846 8270
Isophorone	78-59-1	370	370	U		ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	370	370	U		ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	370	370	U		ug/kg	SW846 8270
Naphthalene	91-20-3	370	370	U		ug/kg	SW846 8270
Nitrobenzene	98-95-3	370	370	U		ug/kg	SW846 8270
Pentachlorophenol	87-86-5	1800	1800	U		ug/kg	SW846 8270
Phenanthrene	85-01-8	370	370	U		ug/kg	SW846 8270
Phenol	108-95-2	370	370	U		ug/kg	SW846 8270
Pyrene	129-00-0	370	370	U		ug/kg	SW846 8270
Pyridine	110-86-1	370	370	U		ug/kg	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	6	6	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	6	6	U	U	ug/kg	SW846 8260

Location: SB106
Sample ID: 10SB105 **Depth:** 15.5-16.0
COE Sample ID: FH010-SB105/12-16-96/15.5-16.0
Date Collected: 12/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
1,1,2,2-Tetrachloroethane	79-34-5	6	6	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	6	6	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	6	6	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	6	6	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	6	6	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	6	6	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	6	6	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	6	6	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	6	6	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	6	6	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	6	6	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	6	6	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	6	6	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	6	6	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	6	6	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	6	6	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	6	6	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	6	6	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	6	6	U	U	ug/kg	SW846 8260
Acetone	67-64-1	9	6	B	U	ug/kg	SW846 8260
Benzene	71-43-2	6	6	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	6	6	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	6	6	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	6	6	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	6	6	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	6	6	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	6	6	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	6	6	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	6	6	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	6	6	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	6	6	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	6	6	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	6	6	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	6	6	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	6	6	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	6	6	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	6	6	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	6	6	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	2	6	JB	U	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	6	6	U	U	ug/kg	SW846 8260
n-propylbenzene	103-65-1	6	6	U	U	ug/kg	SW846 8260
Naphthalene	91-20-3	6	6	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	6	6	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	6	6	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	6	6	U	U	ug/kg	SW846 8260
Styrene	100-42-5	6	6	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	6	6	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	6	6	U	U	ug/kg	SW846 8260
Toluene	108-88-3	4	6	J	J	ug/kg	SW846 8260
Trichloroethene	79-01-6	6	6	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	6	6	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	6	6	U	U	ug/kg	SW846 8260

Location: SB106
 Sample ID: 10SB106 Depth: 25.0-25.5
 COE Sample ID: FH010-SB106/12-16-96/25.0-25.5
 Date Collected: 12/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	11.4	0.35			mg/kg	SW846 6010
Barium	7440-39-3	5.6	0.09			mg/kg	SW846 6010
Cadmium	7440-43-9	0.08	0.04	B		mg/kg	SW846 6010
Chromium	7440-47-3	3	0.09			mg/kg	SW846 6010
Lead	7439-92-1	5.4	0.15			mg/kg	SW846 6010
Mercury	7439-97-6	0.04	0.04	U		mg/kg	SW846 7470
Selenium	7782-49-2	0.32	0.32	U		mg/kg	SW846 6010
Silver	7440-22-4	0.2	0.2	U		mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	350	350	U		ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	350	350	U		ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	350	350	U		ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	350	350	U		ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	350	350	U		ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	350	350	U		ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	1700	1700	U		ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	350	350	U		ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	350	350	U		ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	350	350	U		ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	1700	1700	U		ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	350	350	U		ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	350	350	U		ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	350	350	U		ug/kg	SW846 8270
2-Chlorophenol	95-57-8	350	350	U		ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	350	350	U		ug/kg	SW846 8270
2-Methylphenol	95-48-7	350	350	U		ug/kg	SW846 8270
2-Nitroaniline	88-74-4	1700	1700	U		ug/kg	SW846 8270
2-Nitrophenol	88-75-5	350	350	U		ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	700	700	U		ug/kg	SW846 8270
3-Nitroaniline	99-09-2	1700	1700	U		ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	1700	1700	U		ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	350	350	U		ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	350	350	U		ug/kg	SW846 8270
4-Chloroaniline	106-47-8	350	350	U		ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	350	350	U		ug/kg	SW846 8270
4-Methylphenol	106-44-5	350	350	U		ug/kg	SW846 8270
4-Nitroaniline	100-01-6	1700	1700	U		ug/kg	SW846 8270
4-Nitrophenol	100-02-7	1700	1700	U		ug/kg	SW846 8270
Acenaphthene	83-32-9	350	350	U		ug/kg	SW846 8270
Acenaphthylene	208-96-8	350	350	U		ug/kg	SW846 8270
Anthracene	120-12-7	350	350	U		ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	350	350	U		ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	350	350	U		ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	350	350	U		ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	350	350	U		ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	350	350	U		ug/kg	SW846 8270
Benzoic Acid	65-85-0	1700	1700	U		ug/kg	SW846 8270
Benzy Alcohol	100-51-6	350	350	U		ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	350	350	U		ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	350	350	U		ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	350	350	U		ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	350	350	U		ug/kg	SW846 8270
Chrysene	218-01-9	350	350	U		ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	350	350	U		ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	350	350	U		ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	350	350	U		ug/kg	SW846 8270
Dibenzofuran	132-64-9	350	350	U		ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	350	350	U		ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	350	350	U		ug/kg	SW846 8270
Fluoranthene	206-44-0	350	350	U		ug/kg	SW846 8270
Fluorene	86-73-7	350	350	U		ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	350	350	U		ug/kg	SW846 8270

Location: SB106
Sample ID: 10SB106 **Depth:** 25.0-25.5
COE Sample ID: FH010-SB106/12-16-96/25.0-25.5
Date Collected: 12/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Hexachlorobutadiene	87-68-3	350	350	U		ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	350	350	U		ug/kg	SW846 8270
Hexachloroethane	67-72-1	350	350	U		ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	350	350	U		ug/kg	SW846 8270
Isophorone	78-59-1	350	350	U		ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	350	350	U		ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	350	350	U		ug/kg	SW846 8270
Naphthalene	91-20-3	350	350	U		ug/kg	SW846 8270
Nitrobenzene	98-95-3	350	350	U		ug/kg	SW846 8270
Pentachlorophenol	87-86-5	1700	1700	U		ug/kg	SW846 8270
Phenanthrene	85-01-8	350	350	U		ug/kg	SW846 8270
Phenol	108-95-2	350	350	U		ug/kg	SW846 8270
Pyrene	129-00-0	350	350	U		ug/kg	SW846 8270
Pyridine	110-86-1	350	350	U		ug/kg	SW846 8270

VOLATILE ORGANICS

1,1,1,2-Tetrachloroethane	630-20-6	5	5	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	5	5	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	5	5	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	5	5	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	5	5	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	5	5	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	5	5	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	5	5	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	5	5	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	5	5	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	5	5	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	5	5	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	5	5	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	5	5	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	5	5	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	5	5	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	5	5	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	5	5	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	5	5	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	5	5	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	5	5	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	5	5	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	5	5	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	5	5	U	U	ug/kg	SW846 8260
Acetone	67-64-1	17	5			ug/kg	SW846 8260
Benzene	71-43-2	5	5	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	5	5	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	5	5	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	5	5	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	5	5	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	5	5	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	5	5	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	5	5	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	5	5	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	5	5	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	5	5	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	5	5	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	5	5	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	5	5	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	5	5	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	5	5	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	5	5	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	5	5	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	14	5		U	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	5	5	U	U	ug/kg	SW846 8260

Location: SB106
Sample ID: 10SB106 **Depth:** 25.0-25.5
COE Sample ID: FH010-SB106/12-16-96/25.0-25.5
Date Collected: 12/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
n-propylbenzene	103-65-1	5	5	U	U	ug/kg	SW846 8260
Naphthalene	91-20-3	5	5	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	5	5	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	5	5	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	5	5	U	U	ug/kg	SW846 8260
Styrene	100-42-5	5	5	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	5	5	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	5	5	U	U	ug/kg	SW846 8260
Toluene	108-88-3	5	5	U	U	ug/kg	SW846 8260
Trichloroethene	79-01-6	5	5	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	5	5	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	5	5	U	U	ug/kg	SW846 8260

Location: SB107
Sample ID: 10GW101 **Depth:** NA
COE Sample ID: FH010-GW101/10-30-98
Date Collected: 10/30/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	23.4	2.9			ug/l	SW846 6010
Barium	7440-39-3	506	0.6			ug/l	SW846 6010
Cadmium	7440-43-9	7.6	0.3			ug/l	SW846 6010
Chromium	7440-47-3	39.2	0.7			ug/l	SW846 6010
Lead	7439-92-1	248	1.5	N*		ug/l	SW846 6010
Mercury	7439-97-6	0.47	0.1	N		ug/l	SW846 6010
Selenium	7782-49-2	2.2	2.2	WNU		ug/l	SW846 6010
Silver	7440-22-4	1.4	1.4	U		ug/l	SW846 6010

SEMI-VOLATILE ORGANICS

1,2,4,5-Tetrachlorobenzene	95-94-3	10	10	U		ug/l	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	10	10	U		ug/l	SW846 8270
1,2-Dichlorobenzene	95-50-1	10	10	U		ug/l	SW846 8270
1,3-Dichlorobenzene	541-73-1	10	10	U		ug/l	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	10	10	U		ug/l	SW846 8270
2,4,5-Trichlorophenol	95-95-4	50	50	U		ug/l	SW846 8270
2,4,6-Trichlorophenol	88-06-2	10	10	U		ug/l	SW846 8270
2,4-Dichlorophenol	120-83-2	10	10	U		ug/l	SW846 8270
2,4-Dimethylphenol	105-67-9	10	10	U		ug/l	SW846 8270
2,4-Dinitrophenol	51-28-5	50	50	U		ug/l	SW846 8270
2,4-Dinitrotoluene	121-14-2	10	10	U		ug/l	SW846 8270
2,6-Dinitrotoluene	606-20-2	10	10	U		ug/l	SW846 8270
2-Chloronaphthalene	91-58-7	10	10	U		ug/l	SW846 8270
2-Chlorophenol	95-57-8	10	10	U		ug/l	SW846 8270
2-Methylnaphthalene	91-57-6	2	10	J		ug/l	SW846 8270
2-Methylphenol	95-48-7	10	10	U		ug/l	SW846 8270
2-Nitroaniline	88-74-4	50	50	U		ug/l	SW846 8270
2-Nitrophenol	88-75-5	10	10	U		ug/l	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	20	20	U		ug/l	SW846 8270
3-Nitroaniline	99-09-2	50	50	U		ug/l	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	50	50	U		ug/l	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	10	10	U		ug/l	SW846 8270
4-chloro-3-methylphenol	59-50-7	10	10	U		ug/l	SW846 8270
4-Chloroaniline	106-47-8	10	10	U		ug/l	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	10	10	U		ug/l	SW846 8270
4-Methylphenol	106-44-5	10	10	U		ug/l	SW846 8270
4-Nitroaniline	100-01-6	50	50	U		ug/l	SW846 8270
4-Nitrophenol	100-02-7	50	50	U		ug/l	SW846 8270
Acenaphthene	83-32-9	10	10	U		ug/l	SW846 8270

Location: SB107

Sample ID: 10GW101 Depth: NA

COE Sample ID: FH010-GW101/10-30-98

Date Collected: 10/30/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Acenaphthylene	208-96-8	10	10	U		ug/l	SW846 8270
Anthracene	120-12-7	10	10	U		ug/l	SW846 8270
Benzo(a)anthracene	56-55-3	10	10	U		ug/l	SW846 8270
Benzo(a)pyrene	50-32-8	10	10	U		ug/l	SW846 8270
Benzo(b)fluoranthene	205-99-2	10	10	U		ug/l	SW846 8270
Benzo(g,h,i)perylene	191-24-2	10	10	U		ug/l	SW846 8270
Benzo(k)fluoranthene	207-08-9	10	10	U		ug/l	SW846 8270
Benzoic Acid	65-85-0	6	50	J		ug/l	SW846 8270
Benzyl Alcohol	100-51-6	10	10	U		ug/l	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	10	10	U		ug/l	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	10	10	U		ug/l	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	4	10	JB		ug/l	SW846 8270
Butyl Benzyl Phthalate	85-68-7	10	10	U		ug/l	SW846 8270
Chrysene	218-01-9	10	10	U		ug/l	SW846 8270
Di-n-butyl Phthalate	84-74-2	10	10	U		ug/l	SW846 8270
Di-n-octyl Phthalate	117-84-0	10	10	U		ug/l	SW846 8270
Dibenz(a,h)anthracene	53-70-3	10	10	U		ug/l	SW846 8270
Dibenzofuran	132-64-9	10	10	U		ug/l	SW846 8270
Diethyl Phthalate	84-66-2	2	10	J		ug/l	SW846 8270
Dimethyl Phthalate	131-11-3	10	10	U		ug/l	SW846 8270
Fluoranthene	206-44-0	10	10	U		ug/l	SW846 8270
Fluorene	86-73-7	10	10	U		ug/l	SW846 8270
Hexachlorobenzene	118-74-1	10	10	U		ug/l	SW846 8270
Hexachlorobutadiene	87-68-3	10	10	U		ug/l	SW846 8270
Hexachlorocyclopentadiene	77-47-4	10	10	U		ug/l	SW846 8270
Hexachloroethane	67-72-1	10	10	U		ug/l	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	10	10	U		ug/l	SW846 8270
Isophorone	78-59-1	10	10	U		ug/l	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	10	10	U		ug/l	SW846 8270
N-Nitrosodiphenylamine	86-30-6	6	10	J		ug/l	SW846 8270
Nitrobenzene	98-95-3	10	10	U		ug/l	SW846 8270
Pentachlorophenol	87-86-5	50	50	U		ug/l	SW846 8270
Phenanthrene	85-01-8	10	10	U		ug/l	SW846 8270
Phenol	108-95-2	10	10	U		ug/l	SW846 8270
Pyrene	129-00-0	10	10	U		ug/l	SW846 8270
Pyridine	110-86-1	10	10	U		ug/l	SW846 8270

VOLATILE ORGANICS

1,1,1,2-Tetrachloroethane	630-20-6	5	5	U	U	ug/l	SW846 8260
1,1,1-Trichloroethane	71-55-6	5	5	U	U	ug/l	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U	U	ug/l	SW846 8260
1,1,2-Trichloroethane	79-00-5	5	5	U	U	ug/l	SW846 8260
1,1-Dichloroethane	75-34-3	5	5	U	U	ug/l	SW846 8260
1,1-Dichloroethene	75-35-4	5	5	U	U	ug/l	SW846 8260
1,1-Dichloropropene	563-58-6	5	5	U	U	ug/l	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	2	5	J	J	ug/l	SW846 8260
1,2,3-Trichloropropane	96-18-4	5	5	U	U	ug/l	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	2	5	J	J	ug/l	SW846 8260
1,2,4-trimethylbenzene	95-63-6	5	5	U	U	ug/l	SW846 8260
1,2-cis-Dichloroethene	156-59-2	5	5	U	U	ug/l	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	5	5	U	U	ug/l	SW846 8260
1,2-Dibromoethane	106-93-4	5	5	U	U	ug/l	SW846 8260
1,2-Dichlorobenzene	95-50-1	2	5	J	J	ug/l	SW846 8260
1,2-Dichloroethane	107-06-2	5	5	U	U	ug/l	SW846 8260
1,2-Dichloropropane	78-87-5	5	5	U	U	ug/l	SW846 8260
1,2-trans-Dichloroethene	156-60-5	5	5	U	U	ug/l	SW846 8260
1,3,5-trimethylbenzene	108-67-8	5	5	U	U	ug/l	SW846 8260
1,3-Dichlorobenzene	541-73-1	5	5	U	U	ug/l	SW846 8260
1,3-Dichloropropane	142-28-9	5	5	U	U	ug/l	SW846 8260
1,4-Dichlorobenzene	106-46-7	25	5			ug/l	SW846 8260
2,2-Dichloropropane	594-20-7	5	5	U	U	ug/l	SW846 8260
2-Butanone	78-93-3	5	5	U	U	ug/l	SW846 8260
2-Chlorotoluene	95-49-8	5	5	U	U	ug/l	SW846 8260
2-Hexanone	591-78-6	5	5	U	U	ug/l	SW846 8260
4-Chlorotoluene	106-43-4	5	5	U	U	ug/l	SW846 8260

Location: SB107
Sample ID: 10GW101 **Depth:** NA
COE Sample ID: FH010-GW101/10-30-98
Date Collected: 10/30/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
4-Methyl-2-pentanone	108-10-1	5	5	U	U	ug/l	SW846 8260
Acetone	67-64-1	6	5		U	ug/l	SW846 8260
Benzene	71-43-2	3	5	J	J	ug/l	SW846 8260
Bromobenzene	108-86-1	5	5	U	U	ug/l	SW846 8260
Bromochloromethane	74-97-5	5	5	U	U	ug/l	SW846 8260
Bromodichloromethane	75-27-4	5	5	U	U	ug/l	SW846 8260
Bromoform	75-25-2	5	5	U	U	ug/l	SW846 8260
Bromomethane	74-83-9	5	5	U	U	ug/l	SW846 8260
Carbon Tetrachloride	56-23-5	5	5	U	U	ug/l	SW846 8260
Chlorobenzene	108-90-7	84	5			ug/l	SW846 8260
Chloroethane	75-00-3	5	5	U	U	ug/l	SW846 8260
Chloroform	67-66-3	5	5	U	U	ug/l	SW846 8260
Chloromethane	74-87-3	5	5	U	U	ug/l	SW846 8260
Dibromochloromethane	124-48-1	5	5	U	U	ug/l	SW846 8260
Dibromomethane	74-95-3	5	5	U	U	ug/l	SW846 8260
Dichlorodifluoromethane	75-71-8	5	5	U	U	ug/l	SW846 8260
Ethylbenzene	100-41-4	5	5	U	U	ug/l	SW846 8260
Hexachlorobutadiene	87-68-3	5	5	U	U	ug/l	SW846 8260
Isopropyl Benzene	98-82-8	4	5	J	J	ug/l	SW846 8260
m,p-Xylene	13-302-07	5	5	U	U	ug/l	SW846 8260
Methylene Chloride	75-09-2	5	5	U	U	ug/l	SW846 8260
n-Butylbenzene	104-51-8	4	5	J	J	ug/l	SW846 8260
n-propylbenzene	103-65-1	7	5			ug/l	SW846 8260
Naphthalene	91-20-3	59	5			ug/l	SW846 8260
o-Xylene	95-47-6	2	5	J	J	ug/l	SW846 8260
p-Isopropyltoluene	99-87-6	5	5	U	U	ug/l	SW846 8260
sec-Butylbenzene	135-98-8	3	5	J	J	ug/l	SW846 8260
Styrene	100-42-5	5	5	U	U	ug/l	SW846 8260
tert-Butylbenzene	98-06-6	5	5	U	U	ug/l	SW846 8260
Tetrachloroethene	127-18-4	5	5	U	U	ug/l	SW846 8260
Toluene	108-88-3	2	5	J	J	ug/l	SW846 8260
Trichloroethene	79-01-6	5	5	U	U	ug/l	SW846 8260
Trichlorofluoromethane	75-69-4	5	5	U	U	ug/l	SW846 8260
Vinyl Chloride	75-01-4	26	5			ug/l	SW846 8260

Location: SB107
Sample ID: 10SB121 **Depth:** 0.0-2.0
COE Sample ID: FH010-SB121/10-30-98/0.0-2.0
Date Collected: 10/30/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	5.4	0.2			mg/kg	SW846 6010
Barium	7440-39-3	30.2	0.15			mg/kg	SW846 6010
Cadmium	7440-43-9	0.1	0.03	B	B	mg/kg	SW846 6010
Chromium	7440-47-3	6.8	0.09			mg/kg	SW846 6010
Lead	7439-92-1	7.9	0.16			mg/kg	SW846 6010
Mercury	7439-97-6	0.05	0.04			mg/kg	SW846 6010
Selenium	7782-49-2	0.24	0.24	WNU	UJ	mg/kg	SW846 6010
Silver	7440-22-4	0.14	0.14	U	U	mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	360	360	U	U	ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	360	360	U	U	ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	360	360	U	U	ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	360	360	U	U	ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	360	360	U	U	ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	360	360	U	U	ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	1800	1800	U	U	ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	360	360	U	U	ug/kg	SW846 8270

Location: SB107
Sample ID: 10SB121 **Depth:** 0.0-2.0
COE Sample ID: FH010-SB121/10-30-98/0.0-2.0
Date Collected: 10/30/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
2,4-Dichlorophenol	120-83-2	360	360	U	U	ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	360	360	U	U	ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	1800	1800	U	U	ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	360	360	U	U	ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	360	360	U	U	ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	360	360	U	U	ug/kg	SW846 8270
2-Chlorophenol	95-57-8	360	360	U	U	ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	360	360	U	U	ug/kg	SW846 8270
2-Methylphenol	95-48-7	360	360	U	U	ug/kg	SW846 8270
2-Nitroaniline	88-74-4	1800	1800	U	U	ug/kg	SW846 8270
2-Nitrophenol	88-75-5	360	360	U	U	ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	720	720	U	U	ug/kg	SW846 8270
3-Nitroaniline	99-09-2	1800	1800	U	U	ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	1800	1800	U	U	ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	360	360	U	U	ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	360	360	U	U	ug/kg	SW846 8270
4-Chloroaniline	106-47-8	360	360	U	U	ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	360	360	U	U	ug/kg	SW846 8270
4-Methylphenol	106-44-5	360	360	U	U	ug/kg	SW846 8270
4-Nitroaniline	100-01-6	1800	1800	U	U	ug/kg	SW846 8270
4-Nitrophenol	100-02-7	1800	1800	U	U	ug/kg	SW846 8270
Acenaphthene	83-32-9	360	360	U	U	ug/kg	SW846 8270
Acenaphthylene	208-96-8	360	360	U	U	ug/kg	SW846 8270
Anthracene	120-12-7	360	360	U	U	ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	360	360	U	U	ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	360	360	U	U	ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	360	360	U	U	ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	360	360	U	U	ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	360	360	U	U	ug/kg	SW846 8270
Benzoic Acid	65-85-0	1800	1800	U	U	ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	360	360	U	U	ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	360	360	U	U	ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	360	360	U	U	ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	360	360	U	U	ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	360	360	U	U	ug/kg	SW846 8270
Chrysene	218-01-9	360	360	U	U	ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	360	360	U	U	ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	360	360	U	U	ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	360	360	U	U	ug/kg	SW846 8270
Dibenzofuran	132-64-9	360	360	U	U	ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	360	360	U	U	ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	360	360	U	U	ug/kg	SW846 8270
Fluoranthene	206-44-0	360	360	U	U	ug/kg	SW846 8270
Fluorene	86-73-7	360	360	U	U	ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	360	360	U	U	ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	360	360	U	U	ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	360	360	U	U	ug/kg	SW846 8270
Hexachloroethane	67-72-1	360	360	U	U	ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	360	360	U	U	ug/kg	SW846 8270
Isophorone	78-59-1	360	360	U	U	ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	360	360	U	U	ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	360	360	U	U	ug/kg	SW846 8270
Naphthalene	91-20-3	360	360	U	U	ug/kg	SW846 8270
Nitrobenzene	98-95-3	360	360	U	U	ug/kg	SW846 8270
Pentachlorophenol	87-86-5	1800	1800	U	U	ug/kg	SW846 8270
Phenanthrene	85-01-8	360	360	U	U	ug/kg	SW846 8270
Phenol	108-95-2	360	360	U	U	ug/kg	SW846 8270
Pyrene	129-00-0	360	360	U	U	ug/kg	SW846 8270
Pyridine	110-86-1	360	360	U	U	ug/kg	SW846 8270

VOLATILE ORGANICS

1,1,1,2-Tetrachloroethane	630-20-6	6	6	U		ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	6	6	U		ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	6	6	U		ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	6	6	U		ug/kg	SW846 8260

Location: SB107
Sample ID: 10SB121 **Depth:** 0.0-2.0
COE Sample ID: FH010-SB121/10-30-98/0.0-2.0
Date Collected: 10/30/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
1,1-Dichloroethane	75-34-3	6	6	U		ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	6	6	U		ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	6	6	U		ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	6	6	U		ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	6	6	U		ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	6	6	U		ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	6	6	U		ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	6	6	U		ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	6	6	U		ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	6	6	U		ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	6	6	U		ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	6	6	U		ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	6	6	U		ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	6	6	U		ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	6	6	U		ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	6	6	U		ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	6	6	U		ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	6	6	U		ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	6	6	U		ug/kg	SW846 8260
2-Butanone	78-93-3	6	6	U		ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	6	6	U		ug/kg	SW846 8260
2-Hexanone	591-78-6	6	6	U		ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	6	6	U		ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	6	6	U		ug/kg	SW846 8260
Acetone	67-64-1	6	6	U		ug/kg	SW846 8260
Benzene	71-43-2	6	6	U		ug/kg	SW846 8260
Bromobenzene	108-86-1	6	6	U		ug/kg	SW846 8260
Bromochloromethane	74-97-5	6	6	U		ug/kg	SW846 8260
Bromodichloromethane	75-27-4	6	6	U		ug/kg	SW846 8260
Bromoform	75-25-2	6	6	U		ug/kg	SW846 8260
Bromomethane	74-83-9	6	6	U		ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	6	6	U		ug/kg	SW846 8260
Chlorobenzene	108-90-7	6	6	U		ug/kg	SW846 8260
Chloroethane	75-00-3	6	6	U		ug/kg	SW846 8260
Chloroform	67-66-3	6	6	U		ug/kg	SW846 8260
Chloromethane	74-87-3	6	6	U		ug/kg	SW846 8260
Dibromochloromethane	124-48-1	6	6	U		ug/kg	SW846 8260
Dibromomethane	74-95-3	6	6	U		ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	6	6	U		ug/kg	SW846 8260
Ethylbenzene	100-41-4	6	6	U		ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	6	6	U		ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	6	6	U		ug/kg	SW846 8260
m,p-Xylene	13-302-07	6	6	U		ug/kg	SW846 8260
Methylene Chloride	75-09-2	6	6	U		ug/kg	SW846 8260
n-Butylbenzene	104-51-8	6	6	U		ug/kg	SW846 8260
n-propylbenzene	103-65-1	6	6	U		ug/kg	SW846 8260
Naphthalene	91-20-3	6	6	U		ug/kg	SW846 8260
o-Xylene	95-47-6	6	6	U		ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	6	6	U		ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	6	6	U		ug/kg	SW846 8260
Styrene	100-42-5	6	6	U		ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	6	6	U		ug/kg	SW846 8260
Tetrachloroethene	127-18-4	6	6	U		ug/kg	SW846 8260
Toluene	108-88-3	6	6	U		ug/kg	SW846 8260
Trichloroethene	79-01-6	6	6	U		ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	6	6	U		ug/kg	SW846 8260
Vinyl Chloride	75-01-4	6	6	U		ug/kg	SW846 8260

Location: SB107
Sample ID: 10SB122 Depth: 2.0-4.0
COE Sample ID: FH010-SB122/10-30-98/2.0-4.0
Date Collected: 10/30/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	4.8	0.2			mg/kg	SW846 6010
Barium	7440-39-3	20.2	0.14			mg/kg	SW846 6010
Cadmium	7440-43-9	0.1	0.03	B	B	mg/kg	SW846 6010
Chromium	7440-47-3	4	0.09			mg/kg	SW846 6010
Lead	7439-92-1	2.3	0.15			mg/kg	SW846 6010
Mercury	7439-97-6	0.04	0.04	U	U	mg/kg	SW846 6010
Selenium	7782-49-2	1.1	1.1	WNU	UJ	mg/kg	SW846 6010
Silver	7440-22-4	0.13	0.13	U	U	mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	360	360	U	U	ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	360	360	U	U	ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	360	360	U	U	ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	360	360	U	U	ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	360	360	U	U	ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	360	360	U	U	ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	1700	1700	U	U	ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	360	360	U	U	ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	360	360	U	U	ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	360	360	U	U	ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	1700	1700	U	U	ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	360	360	U	U	ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	360	360	U	U	ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	360	360	U	U	ug/kg	SW846 8270
2-Chlorophenol	95-57-8	360	360	U	U	ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	360	360	U	U	ug/kg	SW846 8270
2-Methylphenol	95-48-7	360	360	U	U	ug/kg	SW846 8270
2-Nitroaniline	88-74-4	1700	1700	U	U	ug/kg	SW846 8270
2-Nitrophenol	88-75-5	360	360	U	U	ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	720	720	U	U	ug/kg	SW846 8270
3-Nitroaniline	99-09-2	1700	1700	U	U	ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	1700	1700	U	U	ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	360	360	U	U	ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	360	360	U	U	ug/kg	SW846 8270
4-Chloroaniline	106-47-8	360	360	U	U	ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	360	360	U	U	ug/kg	SW846 8270
4-Methylphenol	106-44-5	360	360	U	U	ug/kg	SW846 8270
4-Nitroaniline	100-01-6	1700	1700	U	U	ug/kg	SW846 8270
4-Nitrophenol	100-02-7	1700	1700	U	U	ug/kg	SW846 8270
Acenaphthene	83-32-9	360	360	U	U	ug/kg	SW846 8270
Acenaphthylene	208-96-8	360	360	U	U	ug/kg	SW846 8270
Anthracene	120-12-7	360	360	U	U	ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	360	360	U	U	ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	360	360	U	U	ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	360	360	U	U	ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	360	360	U	U	ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	360	360	U	U	ug/kg	SW846 8270
Benzoic Acid	65-85-0	1700	1700	U	U	ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	360	360	U	U	ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	360	360	U	U	ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	360	360	U	U	ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	360	360	U	U	ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	360	360	U	U	ug/kg	SW846 8270
Chrysene	218-01-9	360	360	U	U	ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	360	360	U	U	ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	360	360	U	U	ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	360	360	U	U	ug/kg	SW846 8270
Dibenzofuran	132-64-9	360	360	U	U	ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	360	360	U	U	ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	360	360	U	U	ug/kg	SW846 8270
Fluoranthene	206-44-0	360	360	U	U	ug/kg	SW846 8270
Fluorene	86-73-7	360	360	U	U	ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	360	360	U	U	ug/kg	SW846 8270

Location: SB107
Sample ID: 10SB122 **Depth:** 2.0-4.0
COE Sample ID: FH010-SB122/10-30-98/2.0-4.0
Date Collected: 10/30/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Hexachlorobutadiene	87-68-3	360	360	U	U	ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	360	360	U	U	ug/kg	SW846 8270
Hexachloroethane	67-72-1	360	360	U	U	ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	360	360	U	U	ug/kg	SW846 8270
Isophorone	78-59-1	360	360	U	U	ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	360	360	U	U	ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	360	360	U	U	ug/kg	SW846 8270
Naphthalene	91-20-3	360	360	U	U	ug/kg	SW846 8270
Nitrobenzene	98-95-3	360	360	U	U	ug/kg	SW846 8270
Pentachlorophenol	87-86-5	1700	1700	U	U	ug/kg	SW846 8270
Phenanthrene	85-01-8	360	360	U	U	ug/kg	SW846 8270
Phenol	108-95-2	360	360	U	U	ug/kg	SW846 8270
Pyrene	129-00-0	360	360	U	U	ug/kg	SW846 8270
Pyridine	110-86-1	360	360	U	U	ug/kg	SW846 8270

VOLATILE ORGANICS

1,1,1,2-Tetrachloroethane	630-20-6	5	5	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	5	5	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	5	5	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	5	5	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	5	5	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	5	5	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	5	5	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	5	5	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	5	5	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	5	5	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	5	5	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	5	5	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	5	5	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	5	5	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	5	5	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	5	5	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	5	5	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	5	5	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	5	5	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	5	5	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	5	5	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	5	5	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	5	5	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	5	5	U	U	ug/kg	SW846 8260
Acetone	67-64-1	5	5	U	U	ug/kg	SW846 8260
Benzene	71-43-2	5	5	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	5	5	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	5	5	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	5	5	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	5	5	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	5	5	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	5	5	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	5	5	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	5	5	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	5	5	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	5	5	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	5	5	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	5	5	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	5	5	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	5	5	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	5	5	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	5	5	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	5	5	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	5	5	JB	U	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	5	5	U	U	ug/kg	SW846 8260

Location: SB107
Sample ID: 10SB122 Depth: 2.0-4.0
COE Sample ID: FH010-SB122/10-30-98/2.0-4.0
Date Collected: 10/30/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
n-propylbenzene	103-65-1	5	5	U	U	ug/kg	SW846 8260
Naphthalene	91-20-3	5	5	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	5	5	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	5	5	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	5	5	U	U	ug/kg	SW846 8260
Styrene	100-42-5	5	5	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	5	5	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	5	5	U	U	ug/kg	SW846 8260
Toluene	108-88-3	5	5	U	U	ug/kg	SW846 8260
Trichloroethene	79-01-6	5	5	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	5	5	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	5	5	U	U	ug/kg	SW846 8260

Location: SB107
Sample ID: 10SB123 Depth: 4.0-6.0
COE Sample ID: FH010-SB123/10-30-98/4.0-6.0
Date Collected: 10/30/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	3.8	0.21			mg/kg	SW846 6010
Barium	7440-39-3	37	0.15			mg/kg	SW846 6010
Cadmium	7440-43-9	0.09	0.04	B	B	mg/kg	SW846 6010
Chromium	7440-47-3	4.9	0.09			mg/kg	SW846 6010
Lead	7439-92-1	3.6	0.16			mg/kg	SW846 6010
Mercury	7439-97-6	0.04	0.04	U	U	mg/kg	SW846 6010
Selenium	7782-49-2	1.2	1.2	WNU	UJ	mg/kg	SW846 6010
Silver	7440-22-4	0.14	0.14	U	U	mg/kg	SW846 6010

SEMI-VOLATILE ORGANICS

1,2,4,5-Tetrachlorobenzene	95-94-3	370	370	U	U	ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	370	370	U	U	ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	370	370	U	U	ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	370	370	U	U	ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	370	370	U	U	ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	370	370	U	U	ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	1800	1800	U	U	ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	370	370	U	U	ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	370	370	U	U	ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	370	370	U	U	ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	1800	1800	U	U	ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	370	370	U	U	ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	370	370	U	U	ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	370	370	U	U	ug/kg	SW846 8270
2-Chlorophenol	95-57-8	370	370	U	U	ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	370	370	U	U	ug/kg	SW846 8270
2-Methylphenol	95-48-7	370	370	U	U	ug/kg	SW846 8270
2-Nitroaniline	88-74-4	1800	1800	U	U	ug/kg	SW846 8270
2-Nitrophenol	88-75-5	370	370	U	U	ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	740	740	U	U	ug/kg	SW846 8270
3-Nitroaniline	99-09-2	1800	1800	U	U	ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	1800	1800	U	U	ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	370	370	U	U	ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	370	370	U	U	ug/kg	SW846 8270
4-Chloroaniline	106-47-8	370	370	U	U	ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	370	370	U	U	ug/kg	SW846 8270
4-Methylphenol	106-44-5	370	370	U	U	ug/kg	SW846 8270
4-Nitroaniline	100-01-6	1800	1800	U	U	ug/kg	SW846 8270
4-Nitrophenol	100-02-7	1800	1800	U	U	ug/kg	SW846 8270
Acenaphthene	83-32-9	370	370	U	U	ug/kg	SW846 8270

Location: SB107
Sample ID: 10SB123 **Depth:** 4.0-6.0
COE Sample ID: FH010-SB123/10-30-98/4.0-6.0
Date Collected: 10/30/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Acenaphthylene	208-96-8	370	370	U	U	ug/kg	SW846 8270
Anthracene	120-12-7	370	370	U	U	ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	370	370	U	U	ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	370	370	U	U	ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	370	370	U	U	ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	370	370	U	U	ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	370	370	U	U	ug/kg	SW846 8270
Benzoic Acid	65-85-0	1800	1800	U	U	ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	370	370	U	U	ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	370	370	U	U	ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	370	370	U	U	ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	370	370	U	U	ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	370	370	U	U	ug/kg	SW846 8270
Chrysene	218-01-9	370	370	U	U	ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	370	370	U	U	ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	370	370	U	U	ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	370	370	U	U	ug/kg	SW846 8270
Dibenzofuran	132-64-9	370	370	U	U	ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	370	370	U	U	ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	370	370	U	U	ug/kg	SW846 8270
Fluoranthene	206-44-0	370	370	U	U	ug/kg	SW846 8270
Fluorene	86-73-7	370	370	U	U	ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	370	370	U	U	ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	370	370	U	U	ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	370	370	U	U	ug/kg	SW846 8270
Hexachloroethane	67-72-1	370	370	U	U	ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	370	370	U	U	ug/kg	SW846 8270
Isophorone	78-59-1	370	370	U	U	ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	370	370	U	U	ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	370	370	U	U	ug/kg	SW846 8270
Naphthalene	91-20-3	370	370	U	U	ug/kg	SW846 8270
Nitrobenzene	98-95-3	370	370	U	U	ug/kg	SW846 8270
Pentachlorophenol	87-86-5	1800	1800	U	U	ug/kg	SW846 8270
Phenanthrene	85-01-8	370	370	U	U	ug/kg	SW846 8270
Phenol	108-95-2	370	370	U	U	ug/kg	SW846 8270
Pyrene	129-00-0	370	370	U	U	ug/kg	SW846 8270
Pyridine	110-86-1	370	370	U	U	ug/kg	SW846 8270

VOLATILE ORGANICS

1,1,1,2-Tetrachloroethane	630-20-6	6	6	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	6	6	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	6	6	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	6	6	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	6	6	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	6	6	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	6	6	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	6	6	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	6	6	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	6	6	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	6	6	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	6	6	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	6	6	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	6	6	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	6	6	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	6	6	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	6	6	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	6	6	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	6	6	U	U	ug/kg	SW846 8260

Location: SB107
Sample ID: 10SB123 **Depth:** 4.0-6.0
COE Sample ID: FH010-SB123/10-30-98/4.0-6.0
Date Collected: 10/30/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
4-Chlorotoluene	106-43-4	6	6	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	6	6	U	U	ug/kg	SW846 8260
Acetone	67-64-1	6	6	U	U	ug/kg	SW846 8260
Benzene	71-43-2	6	6	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	6	6	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	6	6	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	6	6	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	6	6	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	6	6	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	6	6	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	6	6	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	6	6	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	6	6	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	6	6	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	6	6	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	6	6	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	6	6	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	6	6	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	6	6	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	6	6	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	6	6	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	6	6	JB	U	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	6	6	U	U	ug/kg	SW846 8260
n-propylbenzene	103-65-1	6	6	U	U	ug/kg	SW846 8260
Naphthalene	91-20-3	6	6	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	6	6	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	6	6	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	6	6	U	U	ug/kg	SW846 8260
Styrene	100-42-5	6	6	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	6	6	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	6	6	U	U	ug/kg	SW846 8260
Toluene	108-88-3	6	6	U	U	ug/kg	SW846 8260
Trichloroethene	79-01-6	6	6	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	6	6	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	6	6	U	U	ug/kg	SW846 8260

Location: SB107
Sample ID: 10SB124 **Depth:** 6.0-8.0
COE Sample ID: FH010-SB124/10-30-98/6.0-8.0
Date Collected: 10/30/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	3.7	0.2			mg/kg	SW846 6010
Barium	7440-39-3	53.3	0.14			mg/kg	SW846 6010
Cadmium	7440-43-9	0.08	0.03	B	B	mg/kg	SW846 6010
Chromium	7440-47-3	5.6	0.09			mg/kg	SW846 6010
Lead	7439-92-1	5.5	0.15			mg/kg	SW846 6010
Mercury	7439-97-6	0.04	0.04	U	U	mg/kg	SW846 6010
Selenium	7782-49-2	1.2	1.2	WNU	UJ	mg/kg	SW846 6010
Silver	7440-22-4	0.13	0.13	U	U	mg/kg	SW846 6010

SEMIVOLATILE ORGANICS

1,2,4,5-Tetrachlorobenzene	95-94-3	350	350	U	U	ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	350	350	U	U	ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	350	350	U	U	ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	350	350	U	U	ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	350	350	U	U	ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	350	350	U	U	ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	1700	1700	U	U	ug/kg	SW846 8270

Location: SB107
Sample ID: 10SB124 **Depth:** 6.0-8.0
COE Sample ID: FH010-SB124/10-30-98/6.0-8.0
Date Collected: 10/30/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
2,4,6-Trichlorophenol	88-06-2	350	350	U	U	ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	350	350	U	U	ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	350	350	U	U	ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	1700	1700	U	U	ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	350	350	U	U	ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	350	350	U	U	ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	350	350	U	U	ug/kg	SW846 8270
2-Chlorophenol	95-57-8	350	350	U	U	ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	350	350	U	U	ug/kg	SW846 8270
2-Methylphenol	95-48-7	350	350	U	U	ug/kg	SW846 8270
2-Nitroaniline	88-74-4	1700	1700	U	U	ug/kg	SW846 8270
2-Nitrophenol	88-75-5	350	350	U	U	ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	690	690	U	U	ug/kg	SW846 8270
3-Nitroaniline	99-09-2	1700	1700	U	U	ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	1700	1700	U	U	ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	350	350	U	U	ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	350	350	U	U	ug/kg	SW846 8270
4-Chloroaniline	106-47-8	350	350	U	U	ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	350	350	U	U	ug/kg	SW846 8270
4-Methylphenol	106-44-5	350	350	U	U	ug/kg	SW846 8270
4-Nitroaniline	100-01-6	1700	1700	U	U	ug/kg	SW846 8270
4-Nitrophenol	100-02-7	1700	1700	U	U	ug/kg	SW846 8270
Acenaphthene	83-32-9	350	350	U	U	ug/kg	SW846 8270
Acenaphthylene	208-96-8	350	350	U	U	ug/kg	SW846 8270
Anthracene	120-12-7	350	350	U	U	ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	350	350	U	U	ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	350	350	U	U	ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	350	350	U	U	ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	350	350	U	U	ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	350	350	U	U	ug/kg	SW846 8270
Benzoic Acid	65-85-0	1700	1700	U	U	ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	350	350	U	U	ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	350	350	U	U	ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	350	350	U	U	ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	350	350	U	U	ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	350	350	U	U	ug/kg	SW846 8270
Chrysene	218-01-9	350	350	U	U	ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	350	350	U	U	ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	350	350	U	U	ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	350	350	U	U	ug/kg	SW846 8270
Dibenzofuran	132-64-9	350	350	U	U	ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	350	350	U	U	ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	350	350	U	U	ug/kg	SW846 8270
Fluoranthene	206-44-0	350	350	U	U	ug/kg	SW846 8270
Fluorene	86-73-7	350	350	U	U	ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	350	350	U	U	ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	350	350	U	U	ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	350	350	U	U	ug/kg	SW846 8270
Hexachloroethane	67-72-1	350	350	U	U	ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	350	350	U	U	ug/kg	SW846 8270
Isophorone	78-59-1	350	350	U	U	ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	350	350	U	U	ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	350	350	U	U	ug/kg	SW846 8270
Naphthalene	91-20-3	350	350	U	U	ug/kg	SW846 8270
Nitrobenzene	98-95-3	350	350	U	U	ug/kg	SW846 8270
Pentachlorophenol	87-86-5	1700	1700	U	U	ug/kg	SW846 8270
Phenanthrene	85-01-8	350	350	U	U	ug/kg	SW846 8270
Phenol	108-95-2	350	350	U	U	ug/kg	SW846 8270
Pyrene	129-00-0	350	350	U	U	ug/kg	SW846 8270
Pyridine	110-86-1	350	350	U	U	ug/kg	SW846 8270
<u>VOLATILE ORGANICS</u>							
1,1,1,2-Tetrachloroethane	630-20-6	6	6	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	6	6	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	6	6	U	U	ug/kg	SW846 8260

Location: SB107
Sample ID: 10SB124 Depth: 6.0-8.0
COE Sample ID: FH010-SB124/10-30-98/6.0-8.0
Date Collected: 10/30/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
1,1,2-Trichloroethane	79-00-5	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropene	96-18-4	6	6	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	6	6	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	6	6	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	6	6	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	6	6	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	6	6	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	6	6	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	6	6	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	6	6	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	6	6	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	6	6	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	6	6	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	6	6	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	6	6	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	6	6	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	6	6	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	6	6	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	6	6	U	U	ug/kg	SW846 8260
Acetone	67-64-1	12	6		U	ug/kg	SW846 8260
Benzene	71-43-2	6	6	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	6	6	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	6	6	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	6	6	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	6	6	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	6	6	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	6	6	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	6	6	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	6	6	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	6	6	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	6	6	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	6	6	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	6	6	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	6	6	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	6	6	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	6	6	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	6	6	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	6	6	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	6	6	JB	U	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	6	6	U	U	ug/kg	SW846 8260
n-propylbenzene	103-65-1	6	6	U	U	ug/kg	SW846 8260
Naphthalene	91-20-3	6	6	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	6	6	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	6	6	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	6	6	U	U	ug/kg	SW846 8260
Styrene	100-42-5	6	6	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	6	6	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	6	6	U	U	ug/kg	SW846 8260
Toluene	108-88-3	6	6	U	U	ug/kg	SW846 8260
Trichloroethene	79-01-6	6	6	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	6	6	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	6	6	U	U	ug/kg	SW846 8260

Location: SB107
Sample ID: 10SB125 **Depth:** 8.0-12.0
COE Sample ID: FH010-SB125/10-30-98/8.0-12.0
Date Collected: 10/30/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	3.1	0.22			mg/kg	SW846 6010
Barium	7440-39-3	33.8	0.16			mg/kg	SW846 6010
Cadmium	7440-43-9	0.04	0.04	U	U	mg/kg	SW846 6010
Chromium	7440-47-3	5.6	0.1			mg/kg	SW846 6010
Lead	7439-92-1	5.8	0.17			mg/kg	SW846 6010
Mercury	7439-97-6	0.04	0.04	U	U	mg/kg	SW846 6010
Selenium	7782-49-2	0.26	0.26	WNU	UJ	mg/kg	SW846 6010
Silver	7440-22-4	0.15	0.15	U	U	mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	390	390	U	U	ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	390	390	U	U	ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	390	390	U	U	ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	390	390	U	U	ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	44	390	J	J	ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	390	390	U	U	ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	1900	1900	U	U	ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	390	390	U	U	ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	390	390	U	U	ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	390	390	U	U	ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	1900	1900	U	U	ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	390	390	U	U	ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	390	390	U	U	ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	390	390	U	U	ug/kg	SW846 8270
2-Chlorophenol	95-57-8	390	390	U	U	ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	390	390	U	U	ug/kg	SW846 8270
2-Methylphenol	95-48-7	390	390	U	U	ug/kg	SW846 8270
2-Nitroaniline	88-74-4	1900	1900	U	U	ug/kg	SW846 8270
2-Nitrophenol	88-75-5	390	390	U	U	ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	780	780	U	U	ug/kg	SW846 8270
3-Nitroaniline	99-09-2	1900	1900	U	U	ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	1900	1900	U	U	ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	390	390	U	U	ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	390	390	U	U	ug/kg	SW846 8270
4-Chloroaniline	106-47-8	390	390	U	U	ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	390	390	U	U	ug/kg	SW846 8270
4-Methylphenol	106-44-5	390	390	U	U	ug/kg	SW846 8270
4-Nitroaniline	100-01-6	1900	1900	U	U	ug/kg	SW846 8270
4-Nitrophenol	100-02-7	1900	1900	U	U	ug/kg	SW846 8270
Acenaphthene	83-32-9	390	390	U	U	ug/kg	SW846 8270
Acenaphthylene	208-96-8	390	390	U	U	ug/kg	SW846 8270
Anthracene	120-12-7	390	390	U	U	ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	390	390	U	U	ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	390	390	U	U	ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	390	390	U	U	ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	390	390	U	U	ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	390	390	U	U	ug/kg	SW846 8270
Benzoic Acid	65-85-0	1900	1900	U	U	ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	390	390	U	U	ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	390	390	U	U	ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	390	390	U	U	ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	220	390	J	J	ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	390	390	U	U	ug/kg	SW846 8270
Chrysene	218-01-9	390	390	U	U	ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	390	390	U	U	ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	390	390	U	U	ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	390	390	U	U	ug/kg	SW846 8270
Dibenzofuran	132-64-9	390	390	U	U	ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	390	390	U	U	ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	390	390	U	U	ug/kg	SW846 8270
Fluoranthene	206-44-0	390	390	U	U	ug/kg	SW846 8270
Fluorene	86-73-7	390	390	U	U	ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	390	390	U	U	ug/kg	SW846 8270

Location: SB107
Sample ID: 10SB125 Depth: 8.0-12.0
COE Sample ID: FH010-SB125/10-30-98/8.0-12.0
Date Collected: 10/30/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Hexachlorobutadiene	87-68-3	390	390	U	U	ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	390	390	U	U	ug/kg	SW846 8270
Hexachloroethane	67-72-1	390	390	U	U	ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	390	390	U	U	ug/kg	SW846 8270
Isophorone	78-59-1	390	390	U	U	ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	390	390	U	U	ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	390	390	U	U	ug/kg	SW846 8270
Naphthalene	91-20-3	390	390	U	U	ug/kg	SW846 8270
Nitrobenzene	98-95-3	390	390	U	U	ug/kg	SW846 8270
Pentachlorophenol	87-86-5	1900	1900	U	U	ug/kg	SW846 8270
Phenanthrene	85-01-8	390	390	U	U	ug/kg	SW846 8270
Phenol	108-95-2	390	390	U	U	ug/kg	SW846 8270
Pyrene	129-00-0	390	390	U	U	ug/kg	SW846 8270
Pyridine	110-86-1	390	390	U	U	ug/kg	SW846 8270

VOLATILE ORGANICS

1,1,1,2-Tetrachloroethane	630-20-6	6	6	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	6	6	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	6	6	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	6	6	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	6	6	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	6	6	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	6	6	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	6	6	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	6	6	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	6	6	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	6	6	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	6	6	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	6	6	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	6	6	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	2	6	J	J	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	6	6	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	6	6	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	6	6	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	6	6	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	6	6	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	6	6	U	U	ug/kg	SW846 8260
Acetone	67-64-1	9	6	U	U	ug/kg	SW846 8260
Benzene	71-43-2	6	6	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	6	6	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	6	6	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	6	6	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	6	6	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	6	6	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	6	6	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	2	6	J	J	ug/kg	SW846 8260
Chloroethane	75-00-3	6	6	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	6	6	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	6	6	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	6	6	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	6	6	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	6	6	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	6	6	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	6	6	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	6	6	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	6	6	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	6	6	U	U	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	6	6	U	U	ug/kg	SW846 8260

Location: SB107
Sample ID: 10SB125 Depth: 8.0-12.0
COE Sample ID: FH010-SB125/10-30-98/8.0-12.0
Date Collected: 10/30/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
n-propylbenzene	103-65-1	6	6	U	U	ug/kg	SW846 8260
Naphthalene	91-20-3	2	6	J	J	ug/kg	SW846 8260
o-Xylene	95-47-6	6	6	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	6	6	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	6	6	U	U	ug/kg	SW846 8260
Styrene	100-42-5	6	6	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	6	6	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	6	6	U	U	ug/kg	SW846 8260
Toluene	108-88-3	6	6	U	U	ug/kg	SW846 8260
Trichloroethene	79-01-6	6	6	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	6	6	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	6	6	U	U	ug/kg	SW846 8260

Location: SB107
Sample ID: 10SB126 Depth: 12.0-14.2
COE Sample ID: FH010-SB126/10-30-98/12.0-14.2
Date Collected: 10/30/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	7.5	0.22			mg/kg	SW846 6010
Barium	7440-39-3	50	0.16			mg/kg	SW846 6010
Cadmium	7440-43-9	2.2	0.04			mg/kg	SW846 6010
Chromium	7440-47-3	11.5	0.1			mg/kg	SW846 6010
Lead	7439-92-1	99.7	0.17			mg/kg	SW846 6010
Mercury	7439-97-6	0.07	0.04			mg/kg	SW846 6010
Selenium	7782-49-2	1.3	1.3	WNU	UJ	mg/kg	SW846 6010
Silver	7440-22-4	0.15	0.15	U	U	mg/kg	SW846 6010

SEMIVOLATILE ORGANICS

1,2,4,5-Tetrachlorobenzene	95-94-3	390	390	U	U	ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	390	390	U	U	ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	390	390	U	U	ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	390	390	U	U	ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	880	390			ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	390	390	U	U	ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	1900	1900	U	U	ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	390	390	U	U	ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	390	390	U	U	ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	390	390	U	U	ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	1900	1900	U	U	ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	390	390	U	U	ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	390	390	U	U	ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	390	390	U	U	ug/kg	SW846 8270
2-Chlorophenol	95-57-8	390	390	U	U	ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	590	390			ug/kg	SW846 8270
2-Methylphenol	95-48-7	390	390	U	U	ug/kg	SW846 8270
2-Nitroaniline	88-74-4	1900	1900	U	U	ug/kg	SW846 8270
2-Nitrophenol	88-75-5	390	390	U	U	ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	780	780	U	U	ug/kg	SW846 8270
3-Nitroaniline	99-09-2	1900	1900	U	U	ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	1900	1900	U	U	ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	390	390	U	U	ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	390	390	U	U	ug/kg	SW846 8270
4-Chloroaniline	106-47-8	390	390	U	U	ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	390	390	U	U	ug/kg	SW846 8270
4-Methylphenol	106-44-5	390	390	U	U	ug/kg	SW846 8270
4-Nitroaniline	100-01-6	1900	1900	U	U	ug/kg	SW846 8270
4-Nitrophenol	100-02-7	1900	1900	U	U	ug/kg	SW846 8270
Acenaphthene	83-32-9	58	390	J	J	ug/kg	SW846 8270

Location: SB107
Sample ID: 10SB126 Depth: 12.0-14.2
COE Sample ID: FH010-SB126/10-30-98/12.0-14.2
Date Collected: 10/30/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Acenaphthylene	208-96-8	390	390	U	U	ug/kg	SW846 8270
Anthracene	120-12-7	390	390	U	U	ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	390	390	U	U	ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	390	390	U	U	ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	390	390	U	U	ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	390	390	U	U	ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	390	390	U	U	ug/kg	SW846 8270
Benzoic Acid	65-85-0	1900	1900	U	U	ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	390	390	U	U	ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	390	390	U	U	ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	390	390	U	U	ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	2600	390			ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	390	390	U	U	ug/kg	SW846 8270
Chrysene	218-01-9	200	390	J	J	ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	940	390			ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	390	390	U	U	ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	390	390	U	U	ug/kg	SW846 8270
Dibenzofuran	132-64-9	54	390	J	J	ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	390	390	U	U	ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	390	390	U	U	ug/kg	SW846 8270
Fluoranthene	206-44-0	390	390	U	U	ug/kg	SW846 8270
Fluorene	86-73-7	180	390	J	J	ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	390	390	U	U	ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	390	390	U	U	ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	390	390	U	U	ug/kg	SW846 8270
Hexachloroethane	67-72-1	390	390	U	U	ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	390	390	U	U	ug/kg	SW846 8270
Isophorone	78-59-1	390	390	U	U	ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	390	390	U	U	ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	1000	390			ug/kg	SW846 8270
Naphthalene	91-20-3	2400	390			ug/kg	SW846 8270
Nitrobenzene	98-95-3	390	390	U	U	ug/kg	SW846 8270
Pentachlorophenol	87-86-5	1900	1900	U	U	ug/kg	SW846 8270
Phenanthrene	85-01-8	680	390			ug/kg	SW846 8270
Phenol	108-95-2	390	390	U	U	ug/kg	SW846 8270
Pyrene	129-00-0	390	390	U	U	ug/kg	SW846 8270
Pyridine	110-86-1	390	390	U	U	ug/kg	SW846 8270

VOLATILE ORGANICS

1,1,1,2-Tetrachloroethane	630-20-6	6	6	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	6	6	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	6	6	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	6	6	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	6	6	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	6	6	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	6	6	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	6	6	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	6	6	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	6	6	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	6	6	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	6	6	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	6	6	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	6	6	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	6	6	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	6	6	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	4	6	J	J	ug/kg	SW846 8260
2-Hexanone	591-78-6	6	6	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	6	6	U	U	ug/kg	SW846 8260

Location: SB107
Sample ID: 10SB126 **Depth:** 12.0-14.2
COE Sample ID: FH010-SB126/10-30-98/12.0-14.2
Date Collected: 10/30/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
4-Methyl-2-pentanone	108-10-1	6	6	U	U	ug/kg	SW846 8260
Acetone	67-64-1	17	6		U	ug/kg	SW846 8260
Benzene	71-43-2	6	6	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	6	6	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	6	6	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	6	6	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	6	6	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	6	6	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	6	6	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	180	6			ug/kg	SW846 8260
Chloroethane	75-00-3	6	6	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	6	6	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	6	6	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	6	6	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	6	6	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	6	6	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	6	6	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	6	6	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	86	6			ug/kg	SW846 8260
m,p-Xylene	13-302-07	6	6	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	6	6	B	U	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	1400	780	D	D	ug/kg	SW846 8260
n-propylbenzene	103-65-1	210	6			ug/kg	SW846 8260
o-Xylene	95-47-6	4	6	J	J	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	6	6	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	1100	780	D	D	ug/kg	SW846 8260
Styrene	100-42-5	6	6	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	17	6			ug/kg	SW846 8260
Tetrachloroethene	127-18-4	6	6	U	U	ug/kg	SW846 8260
Toluene	108-88-3	6	6	U	U	ug/kg	SW846 8260
Trichloroethene	79-01-6	6	6	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	6	6	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	6	6	U	U	ug/kg	SW846 8260

Location: NA
Sample ID: ER025 **Depth:** NA
COE Sample ID: FH010-ER025/11-16-96
Date Collected: 11/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	2.5	2.5	U		ug/l	SW846 6010
Barium	7440-39-3	0.54	0.3	B		ug/l	SW846 6010
Cadmium	7440-43-9	0.5	0.5	U		ug/l	SW846 6010
Chromium	7440-47-3	1.9	0.8	B		ug/l	SW846 6010
Lead	7439-92-1	1.7	1.7	U		ug/l	SW846 6010
Mercury	7439-97-6	0.1	0.1	U		ug/l	SW846 7470
Selenium	7782-49-2	2.8	2.8	U		ug/l	SW846 6010
Silver	7440-22-4	1.2	1.2	U		ug/l	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	10	10	U		ug/l	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	10	10	U		ug/l	SW846 8270
1,2-Dichlorobenzene	95-50-1	10	10	U		ug/l	SW846 8270
1,3-Dichlorobenzene	541-73-1	10	10	U		ug/l	SW846 8270
1,4-Dichlorobenzene	106-46-7	10	10	U		ug/l	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	10	10	U		ug/l	SW846 8270
2,4,5-Trichlorophenol	95-95-4	50	50	U		ug/l	SW846 8270
2,4,6-Trichlorophenol	88-06-2	10	10	U		ug/l	SW846 8270

Location: NA
Sample ID: ER025 Depth: NA
COE Sample ID: FH010-ER025/11-16-96
Date Collected: 11/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
2,4-Dichlorophenol	120-83-2	10	10	U		ug/l	SW846 8270
2,4-Dimethylphenol	105-67-9	10	10	U		ug/l	SW846 8270
2,4-Dinitrophenol	51-28-5	50	50	U		ug/l	SW846 8270
2,4-Dinitrotoluene	121-14-2	10	10	U		ug/l	SW846 8270
2,6-Dinitrotoluene	606-20-2	10	10	U		ug/l	SW846 8270
2-Chloronaphthalene	91-58-7	10	10	U		ug/l	SW846 8270
2-Chlorophenol	95-57-8	10	10	U		ug/l	SW846 8270
2-Methylnaphthalene	91-57-6	10	10	U		ug/l	SW846 8270
2-Methylphenol	95-48-7	10	10	U		ug/l	SW846 8270
2-Nitroaniline	88-74-4	50	50	U		ug/l	SW846 8270
2-Nitrophenol	88-75-5	10	10	U		ug/l	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	20	20	U		ug/l	SW846 8270
3-Nitroaniline	99-09-2	50	50	U		ug/l	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	50	50	U		ug/l	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	10	10	U		ug/l	SW846 8270
4-chloro-3-methylphenol	59-50-7	10	10	U		ug/l	SW846 8270
4-Chloroaniline	106-47-8	10	10	U		ug/l	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	10	10	U		ug/l	SW846 8270
4-Methylphenol	106-44-5	10	10	U		ug/l	SW846 8270
4-Nitroaniline	100-01-6	50	50	U		ug/l	SW846 8270
4-Nitrophenol	100-02-7	50	50	U		ug/l	SW846 8270
Acenaphthene	83-32-9	10	10	U		ug/l	SW846 8270
Acenaphthylene	208-96-8	10	10	U		ug/l	SW846 8270
Anthracene	120-12-7	10	10	U		ug/l	SW846 8270
Benzo(a)anthracene	56-55-3	10	10	U		ug/l	SW846 8270
Benzo(a)pyrene	50-32-8	10	10	U		ug/l	SW846 8270
Benzo(b)fluoranthene	205-99-2	10	10	U		ug/l	SW846 8270
Benzo(g,h,i)perylene	191-24-2	10	10	U		ug/l	SW846 8270
Benzo(k)fluoranthene	207-08-9	10	10	U		ug/l	SW846 8270
Benzoic Acid	65-85-0	3	50	J		ug/l	SW846 8270
Benzyl Alcohol	100-51-6	10	10	U		ug/l	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	10	10	U		ug/l	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	10	10	U		ug/l	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	9	10	J		ug/l	SW846 8270
Butyl Benzyl Phthalate	85-68-7	10	10	U		ug/l	SW846 8270
Chrysene	218-01-9	10	10	U		ug/l	SW846 8270
Di-n-butyl Phthalate	84-74-2	10	10	U		ug/l	SW846 8270
Di-n-octyl Phthalate	117-84-0	10	10	U		ug/l	SW846 8270
Dibenz(a,h)anthracene	53-70-3	10	10	U		ug/l	SW846 8270
Dibenzofuran	132-64-9	10	10	U		ug/l	SW846 8270
Diethyl Phthalate	84-66-2	10	10	U		ug/l	SW846 8270
Dimethyl Phthalate	131-11-3	10	10	U		ug/l	SW846 8270
Fluoranthene	206-44-0	10	10	U		ug/l	SW846 8270
Fluorene	86-73-7	10	10	U		ug/l	SW846 8270
Hexachlorobenzene	118-74-1	10	10	U		ug/l	SW846 8270
Hexachlorobutadiene	87-68-3	10	10	U		ug/l	SW846 8270
Hexachlorocyclopentadiene	77-47-4	10	10	U		ug/l	SW846 8270
Hexachloroethane	67-72-1	10	10	U		ug/l	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	10	10	U		ug/l	SW846 8270
Isophorone	78-59-1	10	10	U		ug/l	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	10	10	U		ug/l	SW846 8270
N-Nitrosodiphenylamine	86-30-6	10	10	U		ug/l	SW846 8270
Naphthalene	91-20-3	10	10	U		ug/l	SW846 8270
Nitrobenzene	98-95-3	10	10	U		ug/l	SW846 8270
Pentachlorophenol	87-86-5	50	50	U		ug/l	SW846 8270
Phenanthrene	85-01-8	10	10	U		ug/l	SW846 8270
Phenol	108-95-2	10	10	U		ug/l	SW846 8270
Pyrene	129-00-0	10	10	U		ug/l	SW846 8270
Pyridine	110-86-1	50	50	U		ug/l	SW846 8270

VOLATILE ORGANICS

1,1,1,2-Tetrachloroethane	630-20-6	5	5	U		ug/l	SW846 8240
1,1,1-Trichloroethane	71-55-6	5	5	U		ug/l	SW846 8240
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U		ug/l	SW846 8240
1,1,2-Trichloroethane	79-00-5	5	5	U		ug/l	SW846 8240

Location: NA
Sample ID: ER025 Depth: NA
COE Sample ID: FH010-ER025/11-16-96
Date Collected: 11/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
1,1-Dichloroethane	75-34-3	5	5	U		ug/l	SW846 8240
1,1-Dichloroethene	75-35-4	5	5	U		ug/l	SW846 8240
1,1-Dichloropropene	563-58-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichlorobenzene	87-61-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichloropropane	96-18-4	5	5	U		ug/l	SW846 8240
1,2,4-Trichlorobenzene	120-82-1	5	5	U		ug/l	SW846 8240
1,2,4-trimethylbenzene	95-63-6	5	5	U		ug/l	SW846 8240
1,2-cis-Dichloroethene	156-59-2	5	5	U		ug/l	SW846 8240
1,2-dibromo-3-chloropropane	96-12-8	5	5	U		ug/l	SW846 8240
1,2-Dibromoethane	106-93-4	5	5	U		ug/l	SW846 8240
1,2-Dichlorobenzene	95-50-1	5	5	U		ug/l	SW846 8240
1,2-Dichloroethane	107-06-2	5	5	U		ug/l	SW846 8240
1,2-Dichloropropane	78-87-5	5	5	U		ug/l	SW846 8240
1,2-trans-Dichloroethene	156-60-5	5	5	U		ug/l	SW846 8240
1,3,5-trimethylbenzene	108-67-8	5	5	U		ug/l	SW846 8240
1,3-Dichlorobenzene	541-73-1	5	5	U		ug/l	SW846 8240
1,3-Dichloropropane	142-28-9	5	5	U		ug/l	SW846 8240
1,4-Dichlorobenzene	106-46-7	5	5	U		ug/l	SW846 8240
2,2-Dichloropropane	594-20-7	5	5	U		ug/l	SW846 8240
2-Butanone	78-93-3	5	5	U		ug/l	SW846 8240
2-Chlorotoluene	95-49-8	5	5	U		ug/l	SW846 8240
2-Hexanone	591-78-6	5	5	U		ug/l	SW846 8240
4-Chlorotoluene	106-43-4	5	5	U		ug/l	SW846 8240
4-Methyl-2-pentanone	108-10-1	5	5	U		ug/l	SW846 8240
Acetone	67-64-1	5	5	U		ug/l	SW846 8240
Benzene	71-43-2	5	5	U		ug/l	SW846 8240
Bromobenzene	108-86-1	5	5	U		ug/l	SW846 8240
Bromochloromethane	74-97-5	5	5	U		ug/l	SW846 8240
Bromodichloromethane	75-27-4	5	5	U		ug/l	SW846 8240
Bromoform	75-25-2	5	5	U		ug/l	SW846 8240
Bromomethane	74-83-9	5	5	U		ug/l	SW846 8240
Carbon Tetrachloride	56-23-5	5	5	U		ug/l	SW846 8240
Chlorobenzene	108-90-7	5	5	U		ug/l	SW846 8240
Chloroethane	75-00-3	5	5	U		ug/l	SW846 8240
Chloroform	67-66-3	5	5	U		ug/l	SW846 8240
Chloromethane	74-87-3	5	5	U		ug/l	SW846 8240
Dibromochloromethane	124-48-1	5	5	U		ug/l	SW846 8240
Dibromomethane	74-95-3	5	5	U		ug/l	SW846 8240
Dichlorodifluoromethane	75-71-8	5	5	U		ug/l	SW846 8240
Ethylbenzene	100-41-4	5	5	U		ug/l	SW846 8240
Hexachlorobutadiene	87-68-3	5	5	U		ug/l	SW846 8240
Isopropyl Benzene	98-82-8	5	5	U		ug/l	SW846 8240
m,p-Xylene	13-302-07	5	5	U		ug/l	SW846 8240
Methylene Chloride	75-09-2	2	5	J		ug/l	SW846 8240
n-Butylbenzene	104-51-8	5	5	U		ug/l	SW846 8240
n-propylbenzene	103-65-1	5	5	U		ug/l	SW846 8240
Naphthalene	91-20-3	5	5	U		ug/l	SW846 8240
o-Xylene	95-47-6	5	5	U		ug/l	SW846 8240
p-Isopropyltoluene	99-87-6	5	5	U		ug/l	SW846 8240
sec-Butylbenzene	135-98-8	5	5	U		ug/l	SW846 8240
Styrene	100-42-5	5	5	U		ug/l	SW846 8240
tert-Butylbenzene	98-06-6	5	5	U		ug/l	SW846 8240
Tetrachloroethene	127-18-4	5	5	U		ug/l	SW846 8240
Toluene	108-88-3	5	5	U		ug/l	SW846 8240
Trichloroethene	79-01-6	5	5	U		ug/l	SW846 8240
Trichlorofluoromethane	75-69-4	5	5	U		ug/l	SW846 8240
Vinyl Chloride	75-01-4	5	5	U		ug/l	SW846 8240

Location: NA
 Sample ID: TB021 Depth: NA
 COE Sample ID: FH010-TB021/12-16-96
 Date Collected: 12/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
<u>VOLATILE ORGANICS</u>							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U		ug/l	SW846 8240
1,1,1-Trichloroethane	71-55-6	5	5	U		ug/l	SW846 8240
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U		ug/l	SW846 8240
1,1,2-Trichloroethane	79-00-5	5	5	U		ug/l	SW846 8240
1,1-Dichloroethane	75-34-3	5	5	U		ug/l	SW846 8240
1,1-Dichloroethene	75-35-4	5	5	U		ug/l	SW846 8240
1,1-Dichloropropene	563-58-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichlorobenzene	87-61-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichloropropane	96-18-4	5	5	U		ug/l	SW846 8240
1,2,4-Trichlorobenzene	120-82-1	5	5	U		ug/l	SW846 8240
1,2,4-trimethylbenzene	95-63-6	5	5	U		ug/l	SW846 8240
1,2-cis-Dichloroethene	156-59-2	5	5	U		ug/l	SW846 8240
1,2-dibromo-3-chloropropane	96-12-8	5	5	U		ug/l	SW846 8240
1,2-Dibromoethane	106-93-4	5	5	U		ug/l	SW846 8240
1,2-Dichlorobenzene	95-50-1	5	5	U		ug/l	SW846 8240
1,2-Dichloroethane	107-06-2	5	5	U		ug/l	SW846 8240
1,2-Dichloropropane	78-87-5	5	5	U		ug/l	SW846 8240
1,2-trans-Dichloroethene	156-60-5	5	5	U		ug/l	SW846 8240
1,3,5-trimethylbenzene	108-67-8	5	5	U		ug/l	SW846 8240
1,3-Dichlorobenzene	541-73-1	5	5	U		ug/l	SW846 8240
1,3-Dichloropropane	142-28-9	5	5	U		ug/l	SW846 8240
1,4-Dichlorobenzene	106-46-7	5	5	U		ug/l	SW846 8240
2,2-Dichloropropane	594-20-7	5	5	U		ug/l	SW846 8240
2-Butanone	78-93-3	5	5	U		ug/l	SW846 8240
2-Chlorotoluene	95-49-8	5	5	U		ug/l	SW846 8240
2-Hexanone	591-78-6	5	5	U		ug/l	SW846 8240
4-Chlorotoluene	106-43-4	5	5	U		ug/l	SW846 8240
4-Methyl-2-pentanone	108-10-1	5	5	U		ug/l	SW846 8240
Acetone	67-64-1	5	5	U		ug/l	SW846 8240
Benzene	71-43-2	5	5	U		ug/l	SW846 8240
Bromobenzene	108-86-1	5	5	U		ug/l	SW846 8240
Bromochloromethane	74-97-5	5	5	U		ug/l	SW846 8240
Bromodichloromethane	75-27-4	5	5	U		ug/l	SW846 8240
Bromoform	75-25-2	5	5	U		ug/l	SW846 8240
Bromomethane	74-83-9	5	5	U		ug/l	SW846 8240
Carbon Tetrachloride	56-23-5	5	5	U		ug/l	SW846 8240
Chlorobenzene	108-90-7	5	5	U		ug/l	SW846 8240
Chloroethane	75-00-3	5	5	U		ug/l	SW846 8240
Chloroform	67-66-3	5	5	U		ug/l	SW846 8240
Chloromethane	74-87-3	5	5	U		ug/l	SW846 8240
Dibromochloromethane	124-48-1	5	5	U		ug/l	SW846 8240
Dibromomethane	74-95-3	5	5	U		ug/l	SW846 8240
Dichlorodifluoromethane	75-71-8	5	5	U		ug/l	SW846 8240
Ethylbenzene	100-41-4	5	5	U		ug/l	SW846 8240
Hexachlorobutadiene	87-68-3	5	5	U		ug/l	SW846 8240
Isopropyl Benzene	98-82-8	5	5	U		ug/l	SW846 8240
m,p-Xylene	13-302-07	5	5	U		ug/l	SW846 8240
Methylene Chloride	75-09-2	5	5	U		ug/l	SW846 8240
n-Butylbenzene	104-51-8	5	5	U		ug/l	SW846 8240
n-propylbenzene	103-65-1	5	5	U		ug/l	SW846 8240
Naphthalene	91-20-3	5	5	U		ug/l	SW846 8240
o-Xylene	95-47-6	5	5	U		ug/l	SW846 8240
p-Isopropyltoluene	99-87-6	5	5	U		ug/l	SW846 8240
sec-Butylbenzene	135-98-8	5	5	U		ug/l	SW846 8240
Styrene	100-42-5	5	5	U		ug/l	SW846 8240
tert-Butylbenzene	98-06-6	5	5	U		ug/l	SW846 8240
Tetrachloroethene	127-18-4	5	5	U		ug/l	SW846 8240
Toluene	108-88-3	5	5	U		ug/l	SW846 8240
Trichloroethene	79-01-6	5	5	U		ug/l	SW846 8240
Trichlorofluoromethane	75-69-4	5	5	U		ug/l	SW846 8240
Vinyl Chloride	75-01-4	5	5	U		ug/l	SW846 8240

Location: NA
Sample ID: ER026 Depth: NA
COE Sample ID: FH010-ER026/12-17-96
Date Collected: 12/17/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
<u>INORGANICS</u>							
Arsenic	7440-38-2	2.5	2.5	U		ug/l	SW846 6010
Barium	7440-39-3	0.3	0.3	U		ug/l	SW846 6010
Cadmium	7440-43-9	0.5	0.5	U		ug/l	SW846 6010
Chromium	7440-47-3	2.8	0.8	B		ug/l	SW846 6010
Lead	7439-92-1	1.7	1.7	U		ug/l	SW846 6010
Mercury	7439-97-6	0.1	0.1	U		ug/l	SW846 6010
Selenium	7782-49-2	2.8	2.8	U		ug/l	SW846 6010
Silver	7440-22-4	1.2	1.2	U		ug/l	SW846 6010
<u>SEMIVOLATILE ORGANICS</u>							
1,2,4,5-Tetrachlorobenzene	95-94-3	10	10	U		ug/l	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	10	10	U		ug/l	SW846 8270
1,2-Dichlorobenzene	95-50-1	10	10	U		ug/l	SW846 8270
1,3-Dichlorobenzene	541-73-1	10	10	U		ug/l	SW846 8270
1,4-Dichlorobenzene	106-46-7	10	10	U		ug/l	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	10	10	U		ug/l	SW846 8270
2,4,5-Trichlorophenol	95-95-4	50	50	U		ug/l	SW846 8270
2,4,6-Trichlorophenol	88-06-2	10	10	U		ug/l	SW846 8270
2,4-Dichlorophenol	120-83-2	10	10	U		ug/l	SW846 8270
2,4-Dimethylphenol	105-67-9	10	10	U		ug/l	SW846 8270
2,4-Dinitrophenol	51-28-5	50	50	U		ug/l	SW846 8270
2,4-Dinitrotoluene	121-14-2	10	10	U		ug/l	SW846 8270
2,6-Dinitrotoluene	606-20-2	10	10	U		ug/l	SW846 8270
2-Chloronaphthalene	91-58-7	10	10	U		ug/l	SW846 8270
2-Chlorophenol	95-57-8	10	10	U		ug/l	SW846 8270
2-Methylnaphthalene	91-57-6	10	10	U		ug/l	SW846 8270
2-Methylphenol	95-48-7	10	10	U		ug/l	SW846 8270
2-Nitroaniline	88-74-4	50	50	U		ug/l	SW846 8270
2-Nitrophenol	88-75-5	10	10	U		ug/l	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	20	20	U		ug/l	SW846 8270
3-Nitroaniline	99-09-2	50	50	U		ug/l	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	50	50	U		ug/l	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	10	10	U		ug/l	SW846 8270
4-chloro-3-methylphenol	59-50-7	10	10	U		ug/l	SW846 8270
4-Chloroaniline	106-47-8	10	10	U		ug/l	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	10	10	U		ug/l	SW846 8270
4-Methylphenol	106-44-5	10	10	U		ug/l	SW846 8270
4-Nitroaniline	100-01-6	50	50	U		ug/l	SW846 8270
4-Nitrophenol	100-02-7	50	50	U		ug/l	SW846 8270
Acenaphthene	83-32-9	10	10	U		ug/l	SW846 8270
Acenaphthylene	208-96-8	10	10	U		ug/l	SW846 8270
Anthracene	120-12-7	10	10	U		ug/l	SW846 8270
Benzo(a)anthracene	56-55-3	10	10	U		ug/l	SW846 8270
Benzo(a)pyrene	50-32-8	10	10	U		ug/l	SW846 8270
Benzo(b)fluoranthene	205-99-2	10	10	U		ug/l	SW846 8270
Benzo(g,h,i)perylene	191-24-2	10	10	U		ug/l	SW846 8270
Benzo(k)fluoranthene	207-08-9	10	10	U		ug/l	SW846 8270
Benzoic Acid	65-85-0	5	50	J		ug/l	SW846 8270
Benzyl Alcohol	100-51-6	10	10	U		ug/l	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	10	10	U		ug/l	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	10	10	U		ug/l	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	10	10	U		ug/l	SW846 8270
Butyl Benzyl Phthalate	85-68-7	10	10	U		ug/l	SW846 8270
Chrysene	218-01-9	10	10	U		ug/l	SW846 8270
Di-n-butyl Phthalate	84-74-2	10	10	U		ug/l	SW846 8270
Di-n-octyl Phthalate	117-84-0	10	10	U		ug/l	SW846 8270
Dibenz(a,h)anthracene	53-70-3	10	10	U		ug/l	SW846 8270
Dibenzofuran	132-64-9	10	10	U		ug/l	SW846 8270
Diethyl Phthalate	84-66-2	10	10	U		ug/l	SW846 8270
Dimethyl Phthalate	131-11-3	10	10	U		ug/l	SW846 8270
Fluoranthene	206-44-0	10	10	U		ug/l	SW846 8270
Fluorene	86-73-7	10	10	U		ug/l	SW846 8270
Hexachlorobenzene	118-74-1	10	10	U		ug/l	SW846 8270

Location: NA
Sample ID: ER026 **Depth:** NA
COE Sample ID: FH010-ER026/12-17-96
Date Collected: 12/17/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Hexachlorobutadiene	87-68-3	10	10	U		ug/l	SW846 8270
Hexachlorocyclopentadiene	77-47-4	10	10	U		ug/l	SW846 8270
Hexachloroethane	67-72-1	10	10	U		ug/l	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	10	10	U		ug/l	SW846 8270
Isophorone	78-59-1	10	10	U		ug/l	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	10	10	U		ug/l	SW846 8270
N-Nitrosodiphenylamine	86-30-6	10	10	U		ug/l	SW846 8270
Naphthalene	91-20-3	10	10	U		ug/l	SW846 8270
Nitrobenzene	98-95-3	10	10	U		ug/l	SW846 8270
Pentachlorophenol	87-86-5	50	50	U		ug/l	SW846 8270
Phenanthrene	85-01-8	10	10	U		ug/l	SW846 8270
Phenol	108-95-2	10	10	U		ug/l	SW846 8270
Pyrene	129-00-0	10	10	U		ug/l	SW846 8270
Pyridine	110-86-1	50	50	U		ug/l	SW846 8270

VOLATILE ORGANICS

1,1,1,2-Tetrachloroethane	630-20-6	5	5	U		ug/l	SW846 8240
1,1,1-Trichloroethane	71-55-6	5	5	U		ug/l	SW846 8240
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U		ug/l	SW846 8240
1,1,2-Trichloroethane	79-00-5	5	5	U		ug/l	SW846 8240
1,1-Dichloroethane	75-34-3	5	5	U		ug/l	SW846 8240
1,1-Dichloroethene	75-35-4	5	5	U		ug/l	SW846 8240
1,1-Dichloropropene	563-58-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichlorobenzene	87-61-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichloropropane	96-18-4	5	5	U		ug/l	SW846 8240
1,2,4-Trichlorobenzene	120-82-1	5	5	U		ug/l	SW846 8240
1,2,4-trimethylbenzene	95-63-6	5	5	U		ug/l	SW846 8240
1,2-cis-Dichloroethene	156-59-2	5	5	U		ug/l	SW846 8240
1,2-dibromo-3-chloropropane	96-12-8	5	5	U		ug/l	SW846 8240
1,2-Dibromoethane	106-93-4	5	5	U		ug/l	SW846 8240
1,2-Dichlorobenzene	95-50-1	5	5	U		ug/l	SW846 8240
1,2-Dichloroethane	107-06-2	5	5	U		ug/l	SW846 8240
1,2-Dichloropropane	78-87-5	5	5	U		ug/l	SW846 8240
1,2-trans-Dichloroethene	156-60-5	5	5	U		ug/l	SW846 8240
1,3,5-trimethylbenzene	108-67-8	5	5	U		ug/l	SW846 8240
1,3-Dichlorobenzene	541-73-1	5	5	U		ug/l	SW846 8240
1,3-Dichloropropane	142-28-9	5	5	U		ug/l	SW846 8240
1,4-Dichlorobenzene	106-46-7	5	5	U		ug/l	SW846 8240
2,2-Dichloropropane	594-20-7	5	5	U		ug/l	SW846 8240
2-Butanone	78-93-3	5	5	U		ug/l	SW846 8240
2-Chlorotoluene	95-49-8	5	5	U		ug/l	SW846 8240
2-Hexanone	591-78-6	5	5	U		ug/l	SW846 8240
4-Chlorotoluene	106-43-4	5	5	U		ug/l	SW846 8240
4-Methyl-2-pentanone	108-10-1	5	5	U		ug/l	SW846 8240
Acetone	67-64-1	5	5	U		ug/l	SW846 8240
Benzene	71-43-2	5	5	U		ug/l	SW846 8240
Bromobenzene	108-86-1	5	5	U		ug/l	SW846 8240
Bromochloromethane	74-97-5	5	5	U		ug/l	SW846 8240
Bromodichloromethane	75-27-4	5	5	U		ug/l	SW846 8240
Bromoform	75-25-2	5	5	U		ug/l	SW846 8240
Bromomethane	74-83-9	5	5	U		ug/l	SW846 8240
Carbon Tetrachloride	56-23-5	5	5	U		ug/l	SW846 8240
Chlorobenzene	108-90-7	5	5	U		ug/l	SW846 8240
Chloroethane	75-00-3	5	5	U		ug/l	SW846 8240
Chloroform	67-66-3	5	5	U		ug/l	SW846 8240
Chloromethane	74-87-3	5	5	U		ug/l	SW846 8240
Dibromochloromethane	124-48-1	5	5	U		ug/l	SW846 8240
Dibromomethane	74-95-3	5	5	U		ug/l	SW846 8240
Dichlorodifluoromethane	75-71-8	5	5	U		ug/l	SW846 8240
Ethylbenzene	100-41-4	5	5	U		ug/l	SW846 8240
Hexachlorobutadiene	87-68-3	5	5	U		ug/l	SW846 8240
Isopropyl Benzene	98-82-8	5	5	U		ug/l	SW846 8240
m,p-Xylene	13-302-07	5	5	U		ug/l	SW846 8240
Methylene Chloride	75-09-2	3	5	J		ug/l	SW846 8240
n-Butylbenzene	104-51-8	5	5	U		ug/l	SW846 8240

Location: NA
Sample ID: ER026 Depth: NA
COE Sample ID: FH010-ER026/12-17-96
Date Collected: 12/17/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
n-propylbenzene	103-65-1	5	5	U		ug/l	SW846 8240
Naphthalene	91-20-3	5	5	U		ug/l	SW846 8240
o-Xylene	95-47-6	5	5	U		ug/l	SW846 8240
p-Isopropyltoluene	99-87-6	5	5	U		ug/l	SW846 8240
sec-Butylbenzene	135-98-8	5	5	U		ug/l	SW846 8240
Styrene	100-42-5	5	5	U		ug/l	SW846 8240
tert-Butylbenzene	98-06-6	5	5	U		ug/l	SW846 8240
Tetrachloroethene	127-18-4	5	5	U		ug/l	SW846 8240
Toluene	108-88-3	5	5	U		ug/l	SW846 8240
Trichloroethene	79-01-6	5	5	U		ug/l	SW846 8240
Trichlorofluoromethane	75-69-4	5	5	U		ug/l	SW846 8240
Vinyl Chloride	75-01-4	5	5	U		ug/l	SW846 8240

Location: NA
Sample ID: TB022 Depth: NA
COE Sample ID: FH010-TB022/12-17-96
Date Collected: 12/17/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U		ug/l	SW846 8240
1,1,1-Trichloroethane	71-55-6	5	5	U		ug/l	SW846 8240
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U		ug/l	SW846 8240
1,1,2-Trichloroethane	79-00-5	5	5	U		ug/l	SW846 8240
1,1-Dichloroethane	75-34-3	5	5	U		ug/l	SW846 8240
1,1-Dichloroethene	75-35-4	5	5	U		ug/l	SW846 8240
1,1-Dichloropropene	563-58-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichlorobenzene	87-61-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichloropropane	96-18-4	5	5	U		ug/l	SW846 8240
1,2,4-Trichlorobenzene	120-82-1	5	5	U		ug/l	SW846 8240
1,2,4-trimethylbenzene	95-63-6	5	5	U		ug/l	SW846 8240
1,2-cis-Dichloroethene	156-59-2	5	5	U		ug/l	SW846 8240
1,2-dibromo-3-chloropropane	96-12-8	5	5	U		ug/l	SW846 8240
1,2-Dibromoethane	106-93-4	5	5	U		ug/l	SW846 8240
1,2-Dichlorobenzene	95-50-1	5	5	U		ug/l	SW846 8240
1,2-Dichloroethane	107-06-2	5	5	U		ug/l	SW846 8240
1,2-Dichloropropane	78-87-5	5	5	U		ug/l	SW846 8240
1,2-trans-Dichloroethene	156-60-5	5	5	U		ug/l	SW846 8240
1,3,5-trimethylbenzene	108-67-8	5	5	U		ug/l	SW846 8240
1,3-Dichlorobenzene	541-73-1	5	5	U		ug/l	SW846 8240
1,3-Dichloropropane	142-28-9	5	5	U		ug/l	SW846 8240
1,4-Dichlorobenzene	106-46-7	5	5	U		ug/l	SW846 8240
2,2-Dichloropropane	594-20-7	5	5	U		ug/l	SW846 8240
2-Butanone	78-93-3	5	5	U		ug/l	SW846 8240
2-Chlorotoluene	95-49-8	5	5	U		ug/l	SW846 8240
2-Hexanone	591-78-6	5	5	U		ug/l	SW846 8240
4-Chlorotoluene	106-43-4	5	5	U		ug/l	SW846 8240
4-Methyl-2-pentanone	108-10-1	5	5	U		ug/l	SW846 8240
Acetone	67-64-1	5	5	U		ug/l	SW846 8240
Benzene	71-43-2	5	5	U		ug/l	SW846 8240
Bromobenzene	108-86-1	5	5	U		ug/l	SW846 8240
Bromochloromethane	74-97-5	5	5	U		ug/l	SW846 8240
Bromodichloromethane	75-27-4	5	5	U		ug/l	SW846 8240
Bromoform	75-25-2	5	5	U		ug/l	SW846 8240
Bromomethane	74-83-9	5	5	U		ug/l	SW846 8240
Carbon Tetrachloride	56-23-5	5	5	U		ug/l	SW846 8240
Chlorobenzene	108-90-7	5	5	U		ug/l	SW846 8240
Chloroethane	75-00-3	5	5	U		ug/l	SW846 8240
Chloroform	67-66-3	5	5	U		ug/l	SW846 8240
Chloromethane	74-87-3	5	5	U		ug/l	SW846 8240

Location: NA
Sample ID: TB022 Depth: NA
COE Sample ID: FH010-TB022/12-17-96
Date Collected: 12/17/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Dibromochloromethane	124-48-1	5	5	U		ug/l	SW846 8240
Dibromomethane	74-95-3	5	5	U		ug/l	SW846 8240
Dichlorodifluoromethane	75-71-8	5	5	U		ug/l	SW846 8240
Ethylbenzene	100-41-4	5	5	U		ug/l	SW846 8240
Hexachlorobutadiene	87-68-3	5	5	U		ug/l	SW846 8240
Isopropyl Benzene	98-82-8	5	5	U		ug/l	SW846 8240
m,p-Xylene	13-302-07	5	5	U		ug/l	SW846 8240
Methylene Chloride	75-09-2	5	5	U		ug/l	SW846 8240
n-Butylbenzene	104-51-8	5	5	U		ug/l	SW846 8240
n-propylbenzene	103-65-1	5	5	U		ug/l	SW846 8240
Naphthalene	91-20-3	5	5	U		ug/l	SW846 8240
o-Xylene	95-47-6	5	5	U		ug/l	SW846 8240
p-Isopropyltoluene	99-87-6	5	5	U		ug/l	SW846 8240
sec-Butylbenzene	135-98-8	5	5	U		ug/l	SW846 8240
Styrene	100-42-5	5	5	U		ug/l	SW846 8240
tert-Butylbenzene	98-06-6	5	5	U		ug/l	SW846 8240
Tetrachloroethene	127-18-4	5	5	U		ug/l	SW846 8240
Toluene	108-88-3	5	5	U		ug/l	SW846 8240
Trichloroethene	79-01-6	5	5	U		ug/l	SW846 8240
Trichlorofluoromethane	75-69-4	5	5	U		ug/l	SW846 8240
Vinyl Chloride	75-01-4	5	5	U		ug/l	SW846 8240

Location: NA
Sample ID: TB024 Depth: NA
COE Sample ID: FH010-TB024/12-18-96
Date Collected: 12/18/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U		ug/l	SW846 8240
1,1,1-Trichloroethane	71-55-6	5	5	U		ug/l	SW846 8240
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U		ug/l	SW846 8240
1,1,2-Trichloroethane	79-00-5	5	5	U		ug/l	SW846 8240
1,1-Dichloroethane	75-34-3	5	5	U		ug/l	SW846 8240
1,1-Dichloroethene	75-35-4	5	5	U		ug/l	SW846 8240
1,1-Dichloropropene	563-58-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichlorobenzene	87-61-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichloropropane	96-18-4	5	5	U		ug/l	SW846 8240
1,2,4-Trichlorobenzene	120-82-1	5	5	U		ug/l	SW846 8240
1,2,4-trimethylbenzene	95-63-6	5	5	U		ug/l	SW846 8240
1,2-cis-Dichloroethene	156-59-2	5	5	U		ug/l	SW846 8240
1,2-dibromo-3-chloropropane	96-12-8	5	5	U		ug/l	SW846 8240
1,2-Dibromoethane	106-93-4	5	5	U		ug/l	SW846 8240
1,2-Dichlorobenzene	95-50-1	5	5	U		ug/l	SW846 8240
1,2-Dichloroethane	107-06-2	5	5	U		ug/l	SW846 8240
1,2-Dichloropropane	78-87-5	5	5	U		ug/l	SW846 8240
1,2-trans-Dichloroethene	156-60-5	5	5	U		ug/l	SW846 8240
1,3,5-trimethylbenzene	108-67-8	5	5	U		ug/l	SW846 8240
1,3-Dichlorobenzene	541-73-1	5	5	U		ug/l	SW846 8240
1,3-Dichloropropane	142-28-9	5	5	U		ug/l	SW846 8240
1,4-Dichlorobenzene	106-46-7	5	5	U		ug/l	SW846 8240
2,2-Dichloropropane	594-20-7	5	5	U		ug/l	SW846 8240
2-Butanone	78-93-3	5	5	U		ug/l	SW846 8240
2-Chlorotoluene	95-49-8	5	5	U		ug/l	SW846 8240
2-Hexanone	591-78-6	5	5	U		ug/l	SW846 8240
4-Chlorotoluene	106-43-4	5	5	U		ug/l	SW846 8240
4-Methyl-2-pentanone	108-10-1	5	5	U		ug/l	SW846 8240
Acetone	67-64-1	5	5	U		ug/l	SW846 8240
Benzene	71-43-2	5	5	U		ug/l	SW846 8240
Bromobenzene	108-86-1	5	5	U		ug/l	SW846 8240

Location: NA
Sample ID: TB024 **Depth:** NA
COE Sample ID: FH010-TB024/12-18-96
Date Collected: 12/18/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Bromochloromethane	74-97-5	5	5	U		ug/l	SW846 8240
Bromodichloromethane	75-27-4	5	5	U		ug/l	SW846 8240
Bromoform	75-25-2	5	5	U		ug/l	SW846 8240
Bromomethane	74-83-9	5	5	U		ug/l	SW846 8240
Carbon Tetrachloride	56-23-5	5	5	U		ug/l	SW846 8240
Chlorobenzene	108-90-7	5	5	U		ug/l	SW846 8240
Chloroethane	75-00-3	5	5	U		ug/l	SW846 8240
Chloroform	67-66-3	5	5	U		ug/l	SW846 8240
Chloromethane	74-87-3	5	5	U		ug/l	SW846 8240
Dibromochloromethane	124-48-1	5	5	U		ug/l	SW846 8240
Dibromomethane	74-95-3	5	5	U		ug/l	SW846 8240
Dichlorodifluoromethane	75-71-8	5	5	U		ug/l	SW846 8240
Ethylbenzene	100-41-4	5	5	U		ug/l	SW846 8240
Hexachlorobutadiene	87-68-3	5	5	U		ug/l	SW846 8240
Isopropyl Benzene	98-82-8	5	5	U		ug/l	SW846 8240
m,p-Xylene	13-302-07	5	5	U		ug/l	SW846 8240
Methylene Chloride	75-09-2	5	5	U		ug/l	SW846 8240
n-Butylbenzene	104-51-8	5	5	U		ug/l	SW846 8240
n-propylbenzene	103-65-1	5	5	U		ug/l	SW846 8240
Naphthalene	91-20-3	5	5	U		ug/l	SW846 8240
o-Xylene	95-47-6	5	5	U		ug/l	SW846 8240
p-Isopropyltoluene	99-87-6	5	5	U		ug/l	SW846 8240
sec-Butylbenzene	135-98-8	5	5	U		ug/l	SW846 8240
Styrene	100-42-5	5	5	U		ug/l	SW846 8240
tert-Butylbenzene	98-06-6	5	5	U		ug/l	SW846 8240
Tetrachloroethene	127-18-4	5	5	U		ug/l	SW846 8240
Toluene	108-88-3	5	5	U		ug/l	SW846 8240
Trichloroethene	79-01-6	5	5	U		ug/l	SW846 8240
Trichlorofluoromethane	75-69-4	5	5	U		ug/l	SW846 8240
Vinyl Chloride	75-01-4	5	5	U		ug/l	SW846 8240

Location: NA
Sample ID: ER027 **Depth:** NA
COE Sample ID: FH010-ER027/12-19-96
Date Collected: 12/19/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	2.5	2.5	U	U	ug/l	SW846 6010
Barium	7440-39-3	0.3	0.3	U	U	ug/l	SW846 6010
Cadmium	7440-43-9	0.5	0.5	U	U	ug/l	SW846 6010
Chromium	7440-47-3	3.8	0.8	B		ug/l	SW846 6010
Lead	7439-92-1	1.7	1.7	U*	UJ	ug/l	SW846 6010
Mercury	7439-97-6	0.1	0.1	U	U	ug/l	SW846 7470
Selenium	7782-49-2	2.8	2.8	U	U	ug/l	SW846 6010
Silver	7440-22-4	1.2	1.2	U	U	ug/l	SW846 6010

SEMIVOLATILE ORGANICS

1,2,4,5-Tetrachlorobenzene	95-94-3	10	10	U		ug/l	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	10	10	U		ug/l	SW846 8270
1,2-Dichlorobenzene	95-50-1	10	10	U		ug/l	SW846 8270
1,3-Dichlorobenzene	541-73-1	10	10	U		ug/l	SW846 8270
1,4-Dichlorobenzene	106-46-7	10	10	U		ug/l	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	10	10	U		ug/l	SW846 8270
2,4,5-Trichlorophenol	95-95-4	50	50	U		ug/l	SW846 8270
2,4,6-Trichlorophenol	88-06-2	10	10	U		ug/l	SW846 8270
2,4-Dichlorophenol	120-83-2	10	10	U		ug/l	SW846 8270
2,4-Dimethylphenol	105-67-9	10	10	U		ug/l	SW846 8270
2,4-Dinitrophenol	51-28-5	50	50	U		ug/l	SW846 8270
2,4-Dinitrotoluene	121-14-2	10	10	U		ug/l	SW846 8270

Location: NA
Sample ID: ER027 Depth: NA
COE Sample ID: FH010-ER027/12-19-96
Date Collected: 12/19/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
2,6-Dinitrotoluene	606-20-2	10	10	U		ug/l	SW846 8270
2-Chloronaphthalene	91-58-7	10	10	U		ug/l	SW846 8270
2-Chlorophenol	95-57-8	10	10	U		ug/l	SW846 8270
2-Methylnaphthalene	91-57-6	10	10	U		ug/l	SW846 8270
2-Methylphenol	95-48-7	10	10	U		ug/l	SW846 8270
2-Nitroaniline	88-74-4	50	50	U		ug/l	SW846 8270
2-Nitrophenol	88-75-5	10	10	U		ug/l	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	20	20	U		ug/l	SW846 8270
3-Nitroaniline	99-09-2	50	50	U		ug/l	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	50	50	U		ug/l	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	10	10	U		ug/l	SW846 8270
4-chloro-3-methylphenol	59-50-7	10	10	U		ug/l	SW846 8270
4-Chloroaniline	106-47-8	10	10	U		ug/l	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	10	10	U		ug/l	SW846 8270
4-Methylphenol	106-44-5	10	10	U		ug/l	SW846 8270
4-Nitroaniline	100-01-6	50	50	U		ug/l	SW846 8270
4-Nitrophenol	100-02-7	50	50	U		ug/l	SW846 8270
Acenaphthene	83-32-9	10	10	U		ug/l	SW846 8270
Acenaphthylene	208-96-8	10	10	U		ug/l	SW846 8270
Anthracene	120-12-7	10	10	U		ug/l	SW846 8270
Benzo(a)anthracene	56-55-3	10	10	U		ug/l	SW846 8270
Benzo(a)pyrene	50-32-8	10	10	U		ug/l	SW846 8270
Benzo(b)fluoranthene	205-99-2	10	10	U		ug/l	SW846 8270
Benzo(g,h,i)perylene	191-24-2	10	10	U		ug/l	SW846 8270
Benzo(k)fluoranthene	207-08-9	10	10	U		ug/l	SW846 8270
Benzoic Acid	65-85-0	50	50	U		ug/l	SW846 8270
Benzyl Alcohol	100-51-6	10	10	U		ug/l	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	10	10	U		ug/l	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	10	10	U		ug/l	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	10	10	U		ug/l	SW846 8270
Butyl Benzyl Phthalate	85-68-7	10	10	U		ug/l	SW846 8270
Chrysene	218-01-9	10	10	U		ug/l	SW846 8270
Di-n-butyl Phthalate	84-74-2	10	10	U		ug/l	SW846 8270
Di-n-octyl Phthalate	117-84-0	10	10	U		ug/l	SW846 8270
Dibenz(a,h)anthracene	53-70-3	10	10	U		ug/l	SW846 8270
Dibenzofuran	132-64-9	10	10	U		ug/l	SW846 8270
Diethyl Phthalate	84-66-2	10	10	U		ug/l	SW846 8270
Dimethyl Phthalate	131-11-3	10	10	U		ug/l	SW846 8270
Fluoranthene	206-44-0	10	10	U		ug/l	SW846 8270
Fluorene	86-73-7	10	10	U		ug/l	SW846 8270
Hexachlorobenzene	118-74-1	10	10	U		ug/l	SW846 8270
Hexachlorobutadiene	87-68-3	10	10	U		ug/l	SW846 8270
Hexachlorocyclopentadiene	77-47-4	10	10	U		ug/l	SW846 8270
Hexachloroethane	67-72-1	10	10	U		ug/l	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	10	10	U		ug/l	SW846 8270
Isophorone	78-59-1	10	10	U		ug/l	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	10	10	U		ug/l	SW846 8270
N-Nitrosodiphenylamine	86-30-6	10	10	U		ug/l	SW846 8270
Naphthalene	91-20-3	10	10	U		ug/l	SW846 8270
Nitrobenzene	98-95-3	10	10	U		ug/l	SW846 8270
Pentachlorophenol	87-86-5	50	50	U		ug/l	SW846 8270
Phenanthrene	85-01-8	10	10	U		ug/l	SW846 8270
Phenol	108-95-2	10	10	U		ug/l	SW846 8270
Pyrene	129-00-0	10	10	U		ug/l	SW846 8270
Pyridine	110-86-1	50	50	U		ug/l	SW846 8270

VOLATILE ORGANICS

1,1,1,2-Tetrachloroethane	630-20-6	5	5	U		ug/l	SW846 8240
1,1,1-Trichloroethane	71-55-6	5	5	U		ug/l	SW846 8240
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U		ug/l	SW846 8240
1,1,2-Trichloroethane	79-00-5	5	5	U		ug/l	SW846 8240
1,1-Dichloroethane	75-34-3	5	5	U		ug/l	SW846 8240
1,1-Dichloroethene	75-35-4	5	5	U		ug/l	SW846 8240
1,1-Dichloropropene	563-58-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichlorobenzene	87-61-6	5	5	U		ug/l	SW846 8240

Location: NA
Sample ID: ER027 Depth: NA
COE Sample ID: FH010-ER027/12-19-96
Date Collected: 12/19/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
1,2,3-Trichloropropane	96-18-4	5	5	U		ug/l	SW846 8240
1,2,4-Trichlorobenzene	120-82-1	5	5	U		ug/l	SW846 8240
1,2,4-trimethylbenzene	95-63-6	5	5	U		ug/l	SW846 8240
1,2-cis-Dichloroethene	156-59-2	5	5	U		ug/l	SW846 8240
1,2-dibromo-3-chloropropane	96-12-8	5	5	U		ug/l	SW846 8240
1,2-Dibromoethane	106-93-4	5	5	U		ug/l	SW846 8240
1,2-Dichlorobenzene	95-50-1	5	5	U		ug/l	SW846 8240
1,2-Dichloroethane	107-06-2	5	5	U		ug/l	SW846 8240
1,2-Dichloropropane	78-87-5	5	5	U		ug/l	SW846 8240
1,2-trans-Dichloroethene	156-60-5	5	5	U		ug/l	SW846 8240
1,3,5-trimethylbenzene	108-67-8	5	5	U		ug/l	SW846 8240
1,3-Dichlorobenzene	541-73-1	5	5	U		ug/l	SW846 8240
1,3-Dichloropropane	142-28-9	5	5	U		ug/l	SW846 8240
1,4-Dichlorobenzene	106-46-7	5	5	U		ug/l	SW846 8240
2,2-Dichloropropane	594-20-7	5	5	U		ug/l	SW846 8240
2-Butanone	78-93-3	5	5	U		ug/l	SW846 8240
2-Chlorotoluene	95-49-8	5	5	U		ug/l	SW846 8240
2-Hexanone	591-78-6	5	5	U		ug/l	SW846 8240
4-Chlorotoluene	106-43-4	5	5	U		ug/l	SW846 8240
4-Methyl-2-pentanone	108-10-1	5	5	U		ug/l	SW846 8240
Acetone	67-64-1	26	5			ug/l	SW846 8240
Benzene	71-43-2	5	5	U		ug/l	SW846 8240
Bromobenzene	108-86-1	5	5	U		ug/l	SW846 8240
Bromochloromethane	74-97-5	5	5	U		ug/l	SW846 8240
Bromodichloromethane	75-27-4	5	5	U		ug/l	SW846 8240
Bromoform	75-25-2	5	5	U		ug/l	SW846 8240
Bromomethane	74-83-9	5	5	U		ug/l	SW846 8240
Carbon Tetrachloride	56-23-5	5	5	U		ug/l	SW846 8240
Chlorobenzene	108-90-7	5	5	U		ug/l	SW846 8240
Chloroethane	75-00-3	5	5	U		ug/l	SW846 8240
Chloroform	67-66-3	5	5	U		ug/l	SW846 8240
Chloromethane	74-87-3	5	5	U		ug/l	SW846 8240
Dibromochloromethane	124-48-1	5	5	U		ug/l	SW846 8240
Dibromomethane	74-95-3	5	5	U		ug/l	SW846 8240
Dichlorodifluoromethane	75-71-8	5	5	U		ug/l	SW846 8240
Ethylbenzene	100-41-4	5	5	U		ug/l	SW846 8240
Hexachlorobutadiene	87-68-3	5	5	U		ug/l	SW846 8240
Isopropyl Benzene	98-82-8	5	5	U		ug/l	SW846 8240
m,p-Xylene	13-302-07	5	5	U		ug/l	SW846 8240
Methylene Chloride	75-09-2	3	5	J		ug/l	SW846 8240
n-Butylbenzene	104-51-8	5	5	U		ug/l	SW846 8240
n-propylbenzene	103-65-1	5	5	U		ug/l	SW846 8240
Naphthalene	91-20-3	5	5	U		ug/l	SW846 8240
o-Xylene	95-47-6	5	5	U		ug/l	SW846 8240
p-Isopropyltoluene	99-87-6	5	5	U		ug/l	SW846 8240
sec-Butylbenzene	135-98-8	5	5	U		ug/l	SW846 8240
Styrene	100-42-5	5	5	U		ug/l	SW846 8240
tert-Butylbenzene	98-06-6	5	5	U		ug/l	SW846 8240
Tetrachloroethene	127-18-4	5	5	U		ug/l	SW846 8240
Toluene	108-88-3	5	5	U		ug/l	SW846 8240
Trichloroethene	79-01-6	5	5	U		ug/l	SW846 8240
Trichlorofluoromethane	75-69-4	5	5	U		ug/l	SW846 8240
Vinyl Chloride	75-01-4	5	5	U		ug/l	SW846 8240

Location: NA
Sample ID: TB025 Depth: NA
COE Sample ID: FH010-TB025/12-19-96
Date Collected: 12/19/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U		ug/l	SW846 8240
1,1,1-Trichloroethane	71-55-6	5	5	U		ug/l	SW846 8240
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U		ug/l	SW846 8240
1,1,2-Trichloroethane	79-00-5	5	5	U		ug/l	SW846 8240
1,1-Dichloroethane	75-34-3	5	5	U		ug/l	SW846 8240
1,1-Dichloroethene	75-35-4	5	5	U		ug/l	SW846 8240
1,1-Dichloropropene	563-58-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichlorobenzene	87-61-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichloropropane	96-18-4	5	5	U		ug/l	SW846 8240
1,2,4-Trichlorobenzene	120-82-1	5	5	U		ug/l	SW846 8240
1,2,4-trimethylbenzene	95-63-6	5	5	U		ug/l	SW846 8240
1,2-cis-Dichloroethene	156-59-2	5	5	U		ug/l	SW846 8240
1,2-dibromo-3-chloropropane	96-12-8	5	5	U		ug/l	SW846 8240
1,2-Dibromoethane	106-93-4	5	5	U		ug/l	SW846 8240
1,2-Dichlorobenzene	95-50-1	5	5	U		ug/l	SW846 8240
1,2-Dichloroethane	107-06-2	5	5	U		ug/l	SW846 8240
1,2-Dichloropropane	78-87-5	5	5	U		ug/l	SW846 8240
1,2-trans-Dichloroethene	156-60-5	5	5	U		ug/l	SW846 8240
1,3,5-trimethylbenzene	108-67-8	5	5	U		ug/l	SW846 8240
1,3-Dichlorobenzene	541-73-1	5	5	U		ug/l	SW846 8240
1,3-Dichloropropane	142-28-9	5	5	U		ug/l	SW846 8240
1,4-Dichlorobenzene	106-46-7	5	5	U		ug/l	SW846 8240
2,2-Dichloropropane	594-20-7	5	5	U		ug/l	SW846 8240
2-Butanone	78-93-3	5	5	U		ug/l	SW846 8240
2-Chlorotoluene	95-49-8	5	5	U		ug/l	SW846 8240
2-Hexanone	591-78-6	5	5	U		ug/l	SW846 8240
4-Chlorotoluene	106-43-4	5	5	U		ug/l	SW846 8240
4-Methyl-2-pentanone	108-10-1	5	5	U		ug/l	SW846 8240
Acetone	67-64-1	5	5	U		ug/l	SW846 8240
Benzene	71-43-2	5	5	U		ug/l	SW846 8240
Bromobenzene	108-86-1	5	5	U		ug/l	SW846 8240
Bromochloromethane	74-97-5	5	5	U		ug/l	SW846 8240
Bromodichloromethane	75-27-4	5	5	U		ug/l	SW846 8240
Bromoform	75-25-2	5	5	U		ug/l	SW846 8240
Bromomethane	74-83-9	5	5	U		ug/l	SW846 8240
Carbon Tetrachloride	56-23-5	5	5	U		ug/l	SW846 8240
Chlorobenzene	108-90-7	5	5	U		ug/l	SW846 8240
Chloroethane	75-00-3	5	5	U		ug/l	SW846 8240
Chloroform	67-66-3	5	5	U		ug/l	SW846 8240
Chloromethane	74-87-3	5	5	U		ug/l	SW846 8240
Dibromochloromethane	124-48-1	5	5	U		ug/l	SW846 8240
Dibromomethane	74-95-3	5	5	U		ug/l	SW846 8240
Dichlorodifluoromethane	75-71-8	5	5	U		ug/l	SW846 8240
Ethylbenzene	100-41-4	5	5	U		ug/l	SW846 8240
Hexachlorobutadiene	87-68-3	5	5	U		ug/l	SW846 8240
Isopropyl Benzene	98-82-8	5	5	U		ug/l	SW846 8240
m,p-Xylene	13-302-07	5	5	U		ug/l	SW846 8240
Methylene Chloride	75-09-2	5	5	U		ug/l	SW846 8240
n-Butylbenzene	104-51-8	5	5	U		ug/l	SW846 8240
n-propylbenzene	103-65-1	5	5	U		ug/l	SW846 8240
Naphthalene	91-20-3	5	5	U		ug/l	SW846 8240
o-Xylene	95-47-6	5	5	U		ug/l	SW846 8240
p-Isopropyltoluene	99-87-6	5	5	U		ug/l	SW846 8240
sec-Butylbenzene	135-98-8	5	5	U		ug/l	SW846 8240
Styrene	100-42-5	5	5	U		ug/l	SW846 8240
tert-Butylbenzene	98-06-6	5	5	U		ug/l	SW846 8240
Tetrachloroethene	127-18-4	5	5	U		ug/l	SW846 8240
Toluene	108-88-3	5	5	U		ug/l	SW846 8240
Trichloroethene	79-01-6	5	5	U		ug/l	SW846 8240
Trichlorofluoromethane	75-69-4	5	5	U		ug/l	SW846 8240
Vinyl Chloride	75-01-4	5	5	U		ug/l	SW846 8240

Location: NA
Sample ID: ER097 Depth: NA
COE Sample ID: FH010-ER097/05-11-98
Date Collected: 5/11/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	2.9	2.9	U		ug/l	SW846 6010
Barium	7440-39-3	1.2	0.6	B		ug/l	SW846 6010
Cadmium	7440-43-9	0.3	0.3	U		ug/l	SW846 6010
Chromium	7440-47-3	0.83	0.7	B		ug/l	SW846 6010
Lead	7439-92-1	1.5	1.5	U		ug/l	SW846 6010
Mercury	7439-97-6	0.1	0.1	U		ug/l	SW846 7470
Selenium	7782-49-2	2.2	2.2	U		ug/l	SW846 7740
Silver	7440-22-4	1.4	1.4	U		ug/l	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	10	10	U		ug/l	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	10	10	U		ug/l	SW846 8270
1,2-Dichlorobenzene	95-50-1	10	10	U		ug/l	SW846 8270
1,3-Dichlorobenzene	541-73-1	10	10	U		ug/l	SW846 8270
1,4-Dichlorobenzene	106-46-7	10	10	U		ug/l	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	10	10	U		ug/l	SW846 8270
2,4,5-Trichlorophenol	95-95-4	51	51	U		ug/l	SW846 8270
2,4,6-Trichlorophenol	88-06-2	10	10	U		ug/l	SW846 8270
2,4-Dichlorophenol	120-83-2	10	10	U		ug/l	SW846 8270
2,4-Dimethylphenol	105-67-9	10	10	U		ug/l	SW846 8270
2,4-Dinitrophenol	51-28-5	51	51	U		ug/l	SW846 8270
2,4-Dinitrotoluene	121-14-2	10	10	U		ug/l	SW846 8270
2,6-Dinitrotoluene	606-20-2	10	10	U		ug/l	SW846 8270
2-Chloronaphthalene	91-58-7	10	10	U		ug/l	SW846 8270
2-Chlorophenol	95-57-8	10	10	U		ug/l	SW846 8270
2-Methylnaphthalene	91-57-6	10	10	U		ug/l	SW846 8270
2-Methylphenol	95-48-7	10	10	U		ug/l	SW846 8270
2-Nitroaniline	88-74-4	51	51	U		ug/l	SW846 8270
2-Nitrophenol	88-75-5	10	10	U		ug/l	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	20	20	U		ug/l	SW846 8270
3-Nitroaniline	99-09-2	51	51	U		ug/l	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	51	51	U		ug/l	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	10	10	U		ug/l	SW846 8270
4-chloro-3-methylphenol	59-50-7	10	10	U		ug/l	SW846 8270
4-Chloroaniline	106-47-8	10	10	U		ug/l	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	10	10	U		ug/l	SW846 8270
4-Methylphenol	106-44-5	10	10	U		ug/l	SW846 8270
4-Nitroaniline	100-01-6	51	51	U		ug/l	SW846 8270
4-Nitrophenol	100-02-7	51	51	U		ug/l	SW846 8270
Acenaphthene	83-32-9	10	10	U		ug/l	SW846 8270
Acenaphthylene	208-96-8	10	10	U		ug/l	SW846 8270
Anthracene	120-12-7	10	10	U		ug/l	SW846 8270
Benzo(a)anthracene	56-55-3	10	10	U		ug/l	SW846 8270
Benzo(a)pyrene	50-32-8	10	10	U		ug/l	SW846 8270
Benzo(b)fluoranthene	205-99-2	10	10	U		ug/l	SW846 8270
Benzo(g,h,i)perylene	191-24-2	10	10	U		ug/l	SW846 8270
Benzo(k)fluoranthene	207-08-9	10	10	U		ug/l	SW846 8270
Benzoic Acid	65-85-0	8	51	J		ug/l	SW846 8270
Benzyl Alcohol	100-51-6	10	10	U		ug/l	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	10	10	U		ug/l	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	10	10	U		ug/l	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	2	10	J		ug/l	SW846 8270
Butyl Benzyl Phthalate	85-68-7	10	10	U		ug/l	SW846 8270
Chrysene	218-01-9	10	10	U		ug/l	SW846 8270
Di-n-butyl Phthalate	84-74-2	10	10	U		ug/l	SW846 8270
Di-n-octyl Phthalate	117-84-0	10	10	U		ug/l	SW846 8270
Dibenz(a,h)anthracene	53-70-3	10	10	U		ug/l	SW846 8270
Dibenzofuran	132-64-9	10	10	U		ug/l	SW846 8270
Diethyl Phthalate	84-66-2	10	10	U		ug/l	SW846 8270
Dimethyl Phthalate	131-11-3	10	10	U		ug/l	SW846 8270
Fluoranthene	206-44-0	10	10	U		ug/l	SW846 8270
Fluorene	86-73-7	10	10	U		ug/l	SW846 8270
Hexachlorobenzene	118-74-1	10	10	U		ug/l	SW846 8270

Location: NA
Sample ID: ER097 Depth: NA
COE Sample ID: FH010-ER097/05-11-98
Date Collected: 5/11/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Hexachlorobutadiene	87-68-3	10	10	U		ug/l	SW846 8270
Hexachlorocyclopentadiene	77-47-4	10	10	U		ug/l	SW846 8270
Hexachloroethane	67-72-1	10	10	U		ug/l	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	10	10	U		ug/l	SW846 8270
Isophorone	78-59-1	10	10	U		ug/l	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	10	10	U		ug/l	SW846 8270
N-Nitrosodiphenylamine	86-30-6	10	10	U		ug/l	SW846 8270
Naphthalene	91-20-3	10	10	U		ug/l	SW846 8270
Nitrobenzene	98-95-3	10	10	U		ug/l	SW846 8270
Pentachlorophenol	87-86-5	51	51	U		ug/l	SW846 8270
Phenanthrene	85-01-8	10	10	U		ug/l	SW846 8270
Phenol	108-95-2	10	10	U		ug/l	SW846 8270
Pyrene	129-00-0	10	10	U		ug/l	SW846 8270
Pyridine	110-86-1	10	10	U		ug/l	SW846 8270

VOLATILE ORGANICS

1,1,1,2-Tetrachloroethane	630-20-6	5	5	U		ug/l	SW846 8260
1,1,1-Trichloroethane	71-55-6	5	5	U		ug/l	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U		ug/l	SW846 8260
1,1,2-Trichloroethane	79-00-5	5	5	U		ug/l	SW846 8260
1,1-Dichloroethane	75-34-3	5	5	U		ug/l	SW846 8260
1,1-Dichloroethene	75-35-4	5	5	U		ug/l	SW846 8260
1,1-Dichloropropene	563-58-6	5	5	U		ug/l	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	5	5	U		ug/l	SW846 8260
1,2,3-Trichloropropane	96-18-4	5	5	U		ug/l	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	5	5	U		ug/l	SW846 8260
1,2,4-trimethylbenzene	95-63-6	5	5	U		ug/l	SW846 8260
1,2-cis-Dichloroethene	156-59-2	5	5	U		ug/l	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	5	5	U		ug/l	SW846 8260
1,2-Dibromoethane	106-93-4	5	5	U		ug/l	SW846 8260
1,2-Dichlorobenzene	95-50-1	5	5	U		ug/l	SW846 8260
1,2-Dichloroethane	107-06-2	5	5	U		ug/l	SW846 8260
1,2-Dichloropropane	78-87-5	5	5	U		ug/l	SW846 8260
1,2-trans-Dichloroethene	156-60-5	5	5	U		ug/l	SW846 8260
1,3,5-trimethylbenzene	108-67-8	5	5	U		ug/l	SW846 8260
1,3-Dichlorobenzene	541-73-1	5	5	U		ug/l	SW846 8260
1,3-Dichloropropane	142-28-9	5	5	U		ug/l	SW846 8260
1,4-Dichlorobenzene	106-46-7	5	5	U		ug/l	SW846 8260
2,2-Dichloropropane	594-20-7	5	5	U		ug/l	SW846 8260
2-Butanone	78-93-3	5	5	U		ug/l	SW846 8260
2-Chlorotoluene	95-49-8	5	5	U		ug/l	SW846 8260
2-Hexanone	591-78-6	5	5	U		ug/l	SW846 8260
4-Chlorotoluene	106-43-4	5	5	U		ug/l	SW846 8260
4-Methyl-2-pentanone	108-10-1	5	5	U		ug/l	SW846 8260
Acetone	67-64-1	5	5	U		ug/l	SW846 8260
Benzene	71-43-2	5	5	U		ug/l	SW846 8260
Bromobenzene	108-86-1	5	5	U		ug/l	SW846 8260
Bromochloromethane	74-97-5	5	5	U		ug/l	SW846 8260
Bromodichloromethane	75-27-4	5	5	U		ug/l	SW846 8260
Bromoform	75-25-2	5	5	U		ug/l	SW846 8260
Bromomethane	74-83-9	5	5	U		ug/l	SW846 8260
Carbon Tetrachloride	56-23-5	5	5	U		ug/l	SW846 8260
Chlorobenzene	108-90-7	5	5	U		ug/l	SW846 8260
Chloroethane	75-00-3	5	5	U		ug/l	SW846 8260
Chloroform	67-66-3	5	5	U		ug/l	SW846 8260
Chloromethane	74-87-3	5	5	U		ug/l	SW846 8260
Dibromochloromethane	124-48-1	5	5	U		ug/l	SW846 8260
Dibromomethane	74-95-3	5	5	U		ug/l	SW846 8260
Dichlorodifluoromethane	75-71-8	5	5	U		ug/l	SW846 8260
Ethylbenzene	100-41-4	5	5	U		ug/l	SW846 8260
Hexachlorobutadiene	87-68-3	5	5	U		ug/l	SW846 8260
Isopropyl Benzene	98-82-8	5	5	U		ug/l	SW846 8260
m,p-Xylene	13-302-07	5	5	U		ug/l	SW846 8260
Methylene Chloride	75-09-2	5	5	U		ug/l	SW846 8260
n-Butylbenzene	104-51-8	5	5	U		ug/l	SW846 8260

Location: NA
Sample ID: ER097 Depth: NA
COE Sample ID: FH010-ER097/05-11-98
Date Collected: 5/11/98

<u>Parameter</u>	<u>CAS Number</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Lab Qual</u>	<u>Data Qual</u>	<u>Units</u>	<u>Method</u>
n-propylbenzene	103-65-1	5	5	U		ug/l	SW846 8260
Naphthalene	91-20-3	5	5	U		ug/l	SW846 8260
o-Xylene	95-47-6	5	5	U		ug/l	SW846 8260
p-Isopropyltoluene	99-87-6	5	5	U		ug/l	SW846 8260
sec-Butylbenzene	135-98-8	5	5	U		ug/l	SW846 8260
Styrene	100-42-5	5	5	U		ug/l	SW846 8260
tert-Butylbenzene	98-06-6	5	5	U		ug/l	SW846 8260
Tetrachloroethene	127-18-4	5	5	U		ug/l	SW846 8260
Toluene	108-88-3	5	5	U		ug/l	SW846 8260
Trichloroethene	79-01-6	5	5	U		ug/l	SW846 8260
Trichlorofluoromethane	75-69-4	5	5	U		ug/l	SW846 8260
Vinyl Chloride	75-01-4	5	5	U		ug/l	SW846 8260

• Laboratory Qualifiers

INORGANIC LABORATORY QUALIFIER FLAGS	
U	The analyte was analyzed for but not detected.
B	The reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
E	The reported value is estimated because of the presence of interference.
M	Duplicate injection precision not met.
N	Spike sample recovery not within control limits.
S	The reported value was determined by the Method of Standard Additions (MSA).
W	Post-digestion spike for Furnace AA analysis is out of control limits (85-115%), while sample absorbance is less than 50% of spike absorbance.
*	Duplicate analysis not within control limits.
-	Correlation coefficient for the MSA is less than 0.995.

ORGANIC LABORATORY QUALIFIER FLAGS	
U	<p>Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture. For example, 10 U for phenol in water if the sample final volume is the protocol-specified final volume. If a 1 to 10 dilution of extract is necessary, the reported limit is 100 U. For a soil sample, the value must be adjusted for percent moisture. For example, if the sample had 24% moisture and a 1 to 10 dilution factor the sample quantitation limit for phenol (330 U) would be corrected to:</p> $\frac{(330U)}{D} \times df \text{ where } D = \frac{100 - \% \text{moisture}}{100}$ <p>And df = dilution factor</p> <p>at 24% moisture $D = \frac{100-24}{100} = 0.76$</p> $\frac{(330U)}{.76} \times 10 = 4300$ <p>U rounded to the appropriate number of significant figures</p>
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero. For example, if the sample quantitation limit is 10 ug/L but a concentration of 3 ug/L is calculated, report it as 3J. The sample quantitation limit must be adjusted for both dilution and percent moisture as discussed for the U flag, so that if a sample with 24% moisture and a 1 to 10 dilution factor has a calculated concentration of 300 ug/Kg and a sample quantitation limit of 430 ug/Kg, report the concentration as 300J.
N	Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the N code is not used.
P	This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported and flagged with a "P".
C	This flag applies to pesticide results where the identification has been confirmed GC/MS. Single component pesticides greater than or equal to 10 ng/ul in the final extract shall be confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank as well in the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action. This flag must be used for a TIC as well as for a positively identified TCL compound.

ORGANIC LABORATORY QUALIFIER FLAGS	
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis. If one or more compounds have a response greater than full scale the sample or extract must be diluted and reanalyzed according to the specifications in Exhibit D. All such compounds with a response greater than full scale should have the concentration flagged with an "E" for the original analysis. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration range in the second analysis, then the results of both analyses shall be reported on separate Forms i.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is reanalyzed at a higher dilution factor, as in the "E" flag above all concentration values reported on that Form i are flagged with the "D" flag.
A	This flag indicates that a TIC is a suspected adol-condensation product
X	Over specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such descriptions attached to the Sample Data Summary Package and the Case Narrative. If more than one is required use "Y" and "Z", as needed. If more than five qualifiers are required for a sample result use the "X" flag to combine several flags, as needed. For instance the "X" flag might combine the "A", "B", and "D" flags for some sample.

**** Data Qualifiers**

DATA VALIDATION QUALIFIER FLAGS	
U	The analyte was analyzed for but not detected.
J	The reported value is estimated because of the presence of interference.
R	The reported value is rejected.



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB101

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28014

Matrix: (soil/water) SOIL

Lab Sample ID: 28014.10

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I22732.D

Level: (low/med) LOW

Date Received: 12/18/96

% Moisture: not dec. 14

Date Analyzed: 12/20/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

74-87-3-----	CHLOROMETHANE	6	U
74-83-9-----	BROMOMETHANE	6	U
75-01-4-----	VINYL CHLORIDE	6	U
75-00-3-----	CHLOROETHANE	6	U
75-09-2-----	METHYLENE CHLORIDE	2	JB
67-64-1-----	ACETONE	7	B
75-35-4-----	1 1-DICHLOROETHENE	6	U
75-34-3-----	1 1-DICHLOROETHANE	6	U
67-66-3-----	CHLOROFORM	6	U
107-06-2-----	1 2-DICHLOROETHANE	6	U
78-93-3-----	2-BUTANONE	6	U
71-55-6-----	1 1 1-TRICHLOROETHANE	6	U
56-23-5-----	CARBON TETRACHLORIDE	6	U
75-27-4-----	BROMODICHLOROMETHANE	6	U
78-87-5-----	1 2-DICHLOROPROPANE	6	U
79-01-6-----	TRICHLOROETHENE	6	U
124-48-1-----	DIBROMOCHLOROMETHANE	6	U
79-00-5-----	1 1 2-TRICHLOROETHANE	6	U
71-43-2-----	BENZENE	6	U
75-25-2-----	BROMOFORM	6	U
108-10-1-----	4-METHYL-2-PENTANONE	6	U
591-78-6-----	2-HEXANONE	6	U
127-18-4-----	TETRACHLOROETHENE	6	U
108-88-3-----	TOLUENE	6	U
79-34-5-----	1 1 2 2-TETRACHLOROETHANE	6	U
108-90-7-----	CHLOROBENZENE	6	U
100-41-4-----	ETHYL BENZENE	6	U
100-42-5-----	STYRENE	6	U
156-59-2-----	cis-1 2-DICHLOROETHENE	6	U
156-60-5-----	trans-1 2-DICHLOROETHENE	6	U
13-302-07-----	m,p-XYLENES	6	U
95-47-6-----	o-XYLENE	6	U
106-93-4-----	1 2-DIBROMOETHANE	6	U
630-20-6-----	1 1 1 2-TETRACHLOROETHANE	6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB101

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28014

Matrix: (soil/water) SOIL

Lab Sample ID: 28014.10

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I22732.D

Level: (low/med) LOW

Date Received: 12/18/96

% Moisture: not dec. 14

Date Analyzed: 12/20/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

96-18-4-----1 2 3-TRICHLOROPROPANE	6	U
75-71-8-----DICHLORODIFLUOROMETHANE	6	U
75-69-4-----TRICHLOROFLUOROMETHANE	6	U
74-95-3-----DIBROMOMETHANE	6	U
96-12-8-----1 2-DIBROMO-3-CHLOROPROPANE	6	U
108-86-1-----BROMOBENZENE	6	U
104-51-8-----n-BUTYLBENZENE	6	U
98-06-6-----tert-BUTYLBENZENE	6	U
135-98-8-----sec-BUTYLBENZENE	6	U
95-49-8-----2-CHLOROTOLUENE	6	U
106-43-4-----4-CHLOROTOLUENE	6	U
95-50-1-----1 2-DICHLOROBENZENE	6	U
541-73-1-----1 3-DICHLOROBENZENE	6	U
106-46-7-----1 4-DICHLOROBENZENE	6	U
142-28-9-----1 3-DICHLOROPROPANE	6	U
594-20-7-----2 2-DICHLOROPROPANE	6	U
563-58-6-----1 1-DICHLOROPROPENE	6	U
87-68-3-----HEXACHLOROBUTADIENE	6	U
98-82-8-----ISOPROPYLBENZENE	6	U
99-87-6-----p-ISOPROPYLTOLUENE	6	U
91-20-3-----NAPHTHALENE	6	U
103-65-1-----n-PROPYLBENZENE	6	U
87-61-6-----1 2 3-TRICHLOROBENZENE	6	U
120-82-1-----1 2 4-TRICHLOROBENZENE	6	U
95-63-6-----1 2 4-TRIMETHYLBENZENE	6	U
108-67-8-----1 3 5-TRIMETHYLBENZENE	6	U
74-97-5-----BROMOCHLOROMETHANE	6	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB101

Lab Name: SWL-TULSA Contract: FT. HOOD
Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28014
Matrix: (soil/water) SOIL Lab Sample ID: 28014.10
Sample wt/vol: 30.0 (g/mL) G Lab File ID: P10933.D
Level: (low/med) LOW Date Received: 12/18/96
% Moisture: not dec. 14 dec. Date Extracted: 12/19/96
Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 01/13/97
Concentrated Extract Volume: 1000(uL)
GPC Cleanup: (Y/N) N pH: 8.1 Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	Q
108-95-2-----	Phenol	U
111-44-4-----	bis(2-Chloroethyl) ether	U
95-57-8-----	2-Chlorophenol	U
541-73-1-----	1,3-Dichlorobenzene	U
106-46-7-----	1,4-Dichlorobenzene	U
100-51-6-----	Benzyl alcohol	U
95-50-1-----	1,2-Dichlorobenzene	U
95-48-7-----	2-Methylphenol	U
108-60-1-----	bis(2-Chloroisopropyl) ether	U
106-44-5-----	4-Methylphenol	U
621-64-7-----	N-Nitroso-di-n-propylamine	U
67-72-1-----	Hexachloroethane	U
98-95-3-----	Nitrobenzene	U
78-59-1-----	Isophorone	U
88-75-5-----	2-Nitrophenol	U
105-67-9-----	2,4-Dimethylphenol	U
65-85-0-----	Benzoic Acid	U
111-91-1-----	bis(2-Chloroethoxy) methane	U
120-83-2-----	2,4-Dichlorophenol	U
120-82-1-----	1,2,4-Trichlorobenzene	U
91-20-3-----	Naphthalene	U
106-47-8-----	4-Chloroaniline	U
87-68-3-----	Hexachlorobutadiene	U
59-50-7-----	4-Chloro-3-methylphenol	U
91-57-6-----	2-Methylnaphthalene	U
77-47-4-----	Hexachlorocyclopentadiene	U
88-06-2-----	2,4,6-Trichlorophenol	U
95-95-4-----	2,4,5-Trichlorophenol	U
91-58-7-----	2-Chloronaphthalene	U
88-74-4-----	2-Nitroaniline	U
131-11-3-----	Dimethylphthalate	U
208-96-8-----	Acenaphthylene	U
606-20-2-----	2,6-Dinitrotoluene	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB101

Lab Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28014

Matrix: (soil/water) SOIL Lab Sample ID: 28014.10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: P10933.D

Level: (low/med) LOW Date Received: 12/18/96

% Moisture: not dec. 14 dec. Date Extracted: 12/19/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 01/13/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.1 Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO. COMPOUND Q

99-09-2-----	3-Nitroaniline	1900	U
83-32-9-----	Acenaphthene	380	U
121-14-2-----	2,4-Dinitrotoluene	380	U
51-28-5-----	2,4-Dinitrophenol	1900	U
100-02-7-----	4-Nitrophenol	1900	U
132-64-9-----	Dibenzofuran	380	U
84-66-2-----	Diethylphthalate	380	U
7005-72-3-----	4-Chlorophenyl-phenylether	380	U
86-73-7-----	Fluorene	380	U
100-01-6-----	4-Nitroaniline	1900	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1900	U
86-30-6-----	N-Nitrosodiphenylamine (1)	380	U
101-55-3-----	4-Bromophenylphenylether	380	U
118-74-1-----	Hexachlorobenzene	380	U
87-86-5-----	Pentachlorophenol	1900	U
85-01-8-----	Phenanthrene	380	U
120-12-7-----	Anthracene	380	U
84-74-2-----	Di-n-butylphthalate	380	U
206-44-0-----	Fluoranthene	380	U
129-00-0-----	Pyrene	380	U
85-68-7-----	Butylbenzylphthalate	380	U
91-94-1-----	3,3'-Dichlorobenzidine	770	U
56-55-3-----	Benzo(a)anthracene	380	U
218-01-9-----	Chrysene	380	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	380	U
117-84-0-----	Di-n-octylphthalate	380	U
205-99-2-----	Benzo(b)fluoranthene	380	U
207-08-9-----	Benzo(k)fluoranthene	380	U
50-32-8-----	Benzo(a)pyrene	380	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	380	U
53-70-3-----	Dibenz(a,h)anthracene	380	U
191-24-2-----	Benzo(g,h,i)perylene	380	U
110-86-1-----	Pyridine	380	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB101

b Name: SWL-TULSA

Contract: FT. HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28014

Matrix: (soil/water) SOIL

Lab Sample ID: 28014.10

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: P10933.D

Level: (low/med) LOW

Date Received: 12/18/96

% Moisture: not dec. 14 dec.

Date Extracted: 12/19/96

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 01/13/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 8.1

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

95-9403-----1,2,4,5-Tetrachlorobenzene__

380

U

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

01410

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC
Lab Code: SWOK Case No.: 28014 SAS No.: SDG No.: 28014A
Matrix (soil/water): SOIL Lab Sample ID: 28014.10
Level (low/med): LOW Date Received: 12/18/96
% Solids: 86.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

[illegible]

Color Before: BROWN _____ Clarity Before: _____ Texture: MEDIUM
Color After: YELLOW _____ Clarity After: _____ Artifacts: _____

Comments:

CLIENT ID = 10SB101

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB102

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28014

Matrix: (soil/water) SOIL

Lab Sample ID: 28014.11

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I22733.D

Level: (low/med) LOW

Date Received: 12/18/96

% Moisture: not dec. 22

Date Analyzed: 12/20/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

74-87-3	CHLOROMETHANE	6	U
74-83-9	BROMOMETHANE	6	U
75-01-4	VINYL CHLORIDE	6	U
75-00-3	CHLOROETHANE	6	U
75-09-2	METHYLENE CHLORIDE	2	JB
67-64-1	ACETONE	17	B
75-35-4	1 1-DICHLOROETHENE	6	U
75-34-3	1 1-DICHLOROETHANE	6	U
67-66-3	CHLOROFORM	6	U
107-06-2	1 2-DICHLOROETHANE	6	U
78-93-3	2-BUTANONE	6	U
71-55-6	1 1 1-TRICHLOROETHANE	6	U
56-23-5	CARBON TETRACHLORIDE	6	U
75-27-4	BROMODICHLOROMETHANE	6	U
78-87-5	1 2-DICHLOROPROPANE	6	U
79-01-6	TRICHLOROETHENE	6	U
124-48-1	DIBROMOCHLOROMETHANE	6	U
79-00-5	1 1 2-TRICHLOROETHANE	6	U
71-43-2	BENZENE	6	U
75-25-2	BROMOFORM	6	U
108-10-1	4-METHYL-2-PENTANONE	6	U
591-78-6	2-HEXANONE	6	U
127-18-4	TETRACHLOROETHENE	6	U
108-88-3	TOLUENE	6	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	6	U
108-90-7	CHLOROBENZENE	6	U
100-41-4	ETHYL BENZENE	6	U
100-42-5	STYRENE	6	U
156-59-2	cis-1 2-DICHLOROETHENE	6	U
156-60-5	trans-1 2-DICHLOROETHENE	6	U
13-302-07	m,p-XYLENES	6	U
95-47-6	o-XYLENE	6	U
106-93-4	1 2-DIBROMOETHANE	6	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB102

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28014

Matrix: (soil/water) SOIL

Lab Sample ID: 28014.11

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I22733.D

Level: (low/med) LOW

Date Received: 12/18/96

% Moisture: not dec. 22

Date Analyzed: 12/20/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

96-18-4-----1 2 3-TRICHLOROPROPANE	6	U
75-71-8-----DICHLORODIFLUOROMETHANE	6	U
75-69-4-----TRICHLOROFLUOROMETHANE	6	U
74-95-3-----DIBROMOMETHANE	6	U
96-12-8-----1 2-DIBROMO-3-CHLOROPROPANE	6	U
108-86-1-----BROMOBENZENE	6	U
104-51-8-----n-BUTYLBENZENE	6	U
98-06-6-----tert-BUTYLBENZENE	6	U
135-98-8-----sec-BUTYLBENZENE	6	U
95-49-8-----2-CHLOROTOLUENE	6	U
106-43-4-----4-CHLOROTOLUENE	6	U
95-50-1-----1 2-DICHLOROBENZENE	6	U
541-73-1-----1 3-DICHLOROBENZENE	6	U
106-46-7-----1 4-DICHLOROBENZENE	6	U
142-28-9-----1 3-DICHLOROPROPANE	6	U
594-20-7-----2 2-DICHLOROPROPANE	6	U
563-58-6-----1 1-DICHLOROPROPENE	6	U
87-68-3-----HEXACHLOROBUTADIENE	6	U
98-82-8-----ISOPROPYLBENZENE	6	U
99-87-6-----p-ISOPROPYLTOLUENE	6	U
91-20-3-----NAPHTHALENE	6	U
103-65-1-----n-PROPYLBENZENE	6	U
87-61-6-----1 2 3-TRICHLOROBENZENE	6	U
120-82-1-----1 2 4-TRICHLOROBENZENE	6	U
95-63-6-----1 2 4-TRIMETHYLBENZENE	6	U
108-67-8-----1 3 5-TRIMETHYLBENZENE	6	U
74-97-5-----BROMOCHLOROMETHANE	6	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB102

b Name: SWL-TULSA

Contract: FT. HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28014

Matrix: (soil/water) SOIL

Lab Sample ID: 28014.11

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: P10934.D

Level: (low/med) LOW

Date Received: 12/18/96

% Moisture: not dec. 22 dec.

Date Extracted: 12/19/96

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 01/13/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 8.3

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

108-95-2-----	Phenol	420	U
111-44-4-----	bis(2-Chloroethyl)ether	420	U
95-57-8-----	2-Chlorophenol	420	U
541-73-1-----	1,3-Dichlorobenzene	420	U
106-46-7-----	1,4-Dichlorobenzene	420	U
100-51-6-----	Benzyl alcohol	420	U
95-50-1-----	1,2-Dichlorobenzene	420	U
95-48-7-----	2-Methylphenol	420	U
108-60-1-----	bis(2-Chloroisopropyl)ether	420	U
106-44-5-----	4-Methylphenol	420	U
621-64-7-----	N-Nitroso-di-n-propylamine	420	U
67-72-1-----	Hexachloroethane	420	U
98-95-3-----	Nitrobenzene	420	U
78-59-1-----	Isophorone	420	U
88-75-5-----	2-Nitrophenol	420	U
105-67-9-----	2,4-Dimethylphenol	420	U
65-85-0-----	Benzoic Acid	2000	U
111-91-1-----	bis(2-Chloroethoxy)methane	420	U
120-83-2-----	2,4-Dichlorophenol	420	U
120-82-1-----	1,2,4-Trichlorobenzene	420	U
91-20-3-----	Naphthalene	420	U
106-47-8-----	4-Chloroaniline	420	U
87-68-3-----	Hexachlorobutadiene	420	U
59-50-7-----	4-Chloro-3-methylphenol	420	U
91-57-6-----	2-Methylnaphthalene	420	U
77-47-4-----	Hexachlorocyclopentadiene	420	U
88-06-2-----	2,4,6-Trichlorophenol	420	U
95-95-4-----	2,4,5-Trichlorophenol	2000	U
91-58-7-----	2-Chloronaphthalene	420	U
88-74-4-----	2-Nitroaniline	2000	U
131-11-3-----	Dimethylphthalate	420	U
208-96-8-----	Acenaphthylene	420	U
606-20-2-----	2,6-Dinitrotoluene	420	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB102

Lab Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28014

Matrix: (soil/water) SOIL Lab Sample ID: 28014.11

Sample wt/vol: 30.0 (g/mL) G Lab File ID: P10934.D

Level: (low/med) LOW Date Received: 12/18/96

% Moisture: not dec. 22 dec. Date Extracted: 12/19/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 01/13/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.3 Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

99-09-2-----	3-Nitroaniline	2000	U
83-32-9-----	Acenaphthene	420	U
121-14-2-----	2,4-Dinitrotoluene	420	U
51-28-5-----	2,4-Dinitrophenol	2000	U
100-02-7-----	4-Nitrophenol	2000	U
132-64-9-----	Dibenzofuran	420	U
84-66-2-----	Diethylphthalate	420	U
7005-72-3-----	4-Chlorophenyl-phenylether	420	U
86-73-7-----	Fluorene	420	U
100-01-6-----	4-Nitroaniline	2000	U
534-52-1-----	4,6-Dinitro-2-methylphenol	2000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	420	U
101-55-3-----	4-Bromophenylphenylether	420	U
118-74-1-----	Hexachlorobenzene	420	U
87-86-5-----	Pentachlorophenol	2000	U
85-01-8-----	Phenanthrene	420	U
120-12-7-----	Anthracene	420	U
84-74-2-----	Di-n-butylphthalate	420	U
206-44-0-----	Fluoranthene	420	U
129-00-0-----	Pyrene	420	U
85-68-7-----	Butylbenzylphthalate	420	U
91-94-1-----	3,3'-Dichlorobenzidine	850	U
56-55-3-----	Benzo(a)anthracene	420	U
218-01-9-----	Chrysene	420	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	80	J
117-84-0-----	Di-n-octylphthalate	420	U
205-99-2-----	Benzo(b)fluoranthene	420	U
207-08-9-----	Benzo(k)fluoranthene	420	U
50-32-8-----	Benzo(a)pyrene	420	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	420	U
53-70-3-----	Dibenz(a,h)anthracene	420	U
191-24-2-----	Benzo(g,h,i)perylene	420	U
110-86-1-----	Pyridine	420	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB102

Lab Name: SWL-TULSA Contract: FT. HOOD
Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28014
Matrix: (soil/water) SOIL Lab Sample ID: 28014.11
Sample wt/vol: 30.0 (g/mL) G Lab File ID: P10934.D
Level: (low/med) LOW Date Received: 12/18/96
% Moisture: not dec. 22 dec. Date Extracted: 12/19/96
Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 01/13/97
Concentrated Extract Volume: 1000(uL)
GPC Cleanup: (Y/N) N pH: 8.3 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg) UG/KG	Q
95-9403-----	1,2,4,5-Tetrachlorobenzene__	420	U

1
INORGANIC ANALYSES DATA SHEET

01411

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC
Lab Code: SWOK Case No.: 28014 SAS No.: SDG No.: 28014A
Matrix (soil/water): SOIL Lab Sample ID: 28014.11
Level (low/med): LOW Date Received: 12/18/96
% Solids: 77.5

[illegible]

Texture: MEDIUM
Artifacts: _____

CLIENT ID = 10SB102

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB103

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28014

Matrix: (soil/water) SOIL

Lab Sample ID: 28014.12

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I22734.D

Level: (low/med) LOW

Date Received: 12/18/96

% Moisture: not dec. 6

Date Analyzed: 12/20/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

74-87-3-----	CHLOROMETHANE	5	U
74-83-9-----	BROMOMETHANE	5	U
75-01-4-----	VINYL CHLORIDE	5	U
75-00-3-----	CHLOROETHANE	5	U
75-09-2-----	METHYLENE CHLORIDE	2	JB
67-64-1-----	ACETONE	8	B
75-35-4-----	1 1-DICHLOROETHENE	5	U
75-34-3-----	1 1-DICHLOROETHANE	5	U
67-66-3-----	CHLOROFORM	5	U
107-06-2-----	1 2-DICHLOROETHANE	5	U
78-93-3-----	2-BUTANONE	5	U
71-55-6-----	1 1 1-TRICHLOROETHANE	5	U
56-23-5-----	CARBON TETRACHLORIDE	5	U
75-27-4-----	BROMODICHLOROMETHANE	5	U
78-87-5-----	1 2-DICHLOROPROPANE	5	U
79-01-6-----	TRICHLOROETHENE	3	J
124-48-1-----	DIBROMOCHLOROMETHANE	5	U
79-00-5-----	1 1 2-TRICHLOROETHANE	5	U
71-43-2-----	BENZENE	5	U
75-25-2-----	BROMOFORM	5	U
108-10-1-----	4-METHYL-2-PENTANONE	5	U
591-78-6-----	2-HEXANONE	5	U
127-18-4-----	TETRACHLOROETHENE	5	U
108-88-3-----	TOLUENE	32	
79-34-5-----	1 1 2 2-TETRACHLOROETHANE	5	U
108-90-7-----	CHLOROBENZENE	5	U
100-41-4-----	ETHYL BENZENE	5	U
100-42-5-----	STYRENE	5	U
156-59-2-----	cis-1 2-DICHLOROETHENE	5	U
156-60-5-----	trans-1 2-DICHLOROETHENE	5	U
13-302-07-----	m,p-XYLENES	5	U
95-47-6-----	o-XYLENE	5	U
106-93-4-----	1 2-DIBROMOETHANE	5	U
630-20-6-----	1 1 1 2-TETRACHLOROETHANE	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB103

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28014

Matrix: (soil/water) SOIL

Lab Sample ID: 28014.12

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I22734.D

Level: (low/med) LOW

Date Received: 12/18/96

% Moisture: not dec. 6

Date Analyzed: 12/20/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q
---------	----------	---

96-18-4-----1 2 3-TRICHLOROPROPANE	5	U
75-71-8-----DICHLORODIFLUOROMETHANE	5	U
75-69-4-----TRICHLOROFLUOROMETHANE	5	U
74-95-3-----DIBROMOMETHANE	5	U
96-12-8-----1 2-DIBROMO-3-CHLOROPROPANE	5	U
108-86-1-----BROMOBENZENE	5	U
104-51-8-----n-BUTYLBENZENE	5	U
98-06-6-----tert-BUTYLBENZENE	5	U
135-98-8-----sec-BUTYLBENZENE	5	U
95-49-8-----2-CHLOROTOLUENE	5	U
106-43-4-----4-CHLOROTOLUENE	5	U
95-50-1-----1 2-DICHLOROBENZENE	5	U
541-73-1-----1 3-DICHLOROBENZENE	5	U
106-46-7-----1 4-DICHLOROBENZENE	5	U
142-28-9-----1 3-DICHLOROPROPANE	5	U
594-20-7-----2 2-DICHLOROPROPANE	5	U
563-58-6-----1 1-DICHLOROPROPENE	5	U
87-68-3-----HEXACHLOROBUTADIENE	5	U
98-82-8-----ISOPROPYLBENZENE	5	U
99-87-6-----p-ISOPROPYLTOLUENE	5	U
91-20-3-----NAPHTHALENE	5	U
103-65-1-----n-PROPYLBENZENE	5	U
87-61-6-----1 2 3-TRICHLOROBENZENE	5	U
120-82-1-----1 2 4-TRICHLOROBENZENE	5	U
95-63-6-----1 2 4-TRIMETHYLBENZENE	5	U
108-67-8-----1 3 5-TRIMETHYLBENZENE	5	U
74-97-5-----BROMOCHLOROMETHANE	5	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB103

Lab Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28014

Matrix: (soil/water) SOIL Lab Sample ID: 28014.12

Sample wt/vol: 30.0 (g/mL) G Lab File ID: P10935.D

Level: (low/med) LOW Date Received: 12/18/96

% Moisture: not dec. 6 dec. Date Extracted: 12/19/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 01/13/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.5 Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

108-95-2-----	Phenol	350	U
111-44-4-----	bis(2-Chloroethyl)ether	350	U
95-57-8-----	2-Chlorophenol	350	U
541-73-1-----	1,3-Dichlorobenzene	350	U
106-46-7-----	1,4-Dichlorobenzene	350	U
100-51-6-----	Benzyl alcohol	350	U
95-50-1-----	1,2-Dichlorobenzene	350	U
95-48-7-----	2-Methylphenol	350	U
108-60-1-----	bis(2-Chloroisopropyl)ether	350	U
106-44-5-----	4-Methylphenol	350	U
621-64-7-----	N-Nitroso-di-n-propylamine	350	U
67-72-1-----	Hexachloroethane	350	U
98-95-3-----	Nitrobenzene	350	U
78-59-1-----	Isophorone	350	U
88-75-5-----	2-Nitrophenol	350	U
105-67-9-----	2,4-Dimethylphenol	350	U
65-85-0-----	Benzoic Acid	1700	U
111-91-1-----	bis(2-Chloroethoxy)methane	350	U
120-83-2-----	2,4-Dichlorophenol	350	U
120-82-1-----	1,2,4-Trichlorobenzene	350	U
91-20-3-----	Naphthalene	350	U
106-47-8-----	4-Chloroaniline	350	U
87-68-3-----	Hexachlorobutadiene	350	U
59-50-7-----	4-Chloro-3-methylphenol	350	U
91-57-6-----	2-Methylnaphthalene	350	U
77-47-4-----	Hexachlorocyclopentadiene	350	U
88-06-2-----	2,4,6-Trichlorophenol	350	U
95-95-4-----	2,4,5-Trichlorophenol	1700	U
91-58-7-----	2-Chloronaphthalene	350	U
88-74-4-----	2-Nitroaniline	1700	U
131-11-3-----	Dimethylphthalate	350	U
208-96-8-----	Acenaphthylene	350	U
606-20-2-----	2,6-Dinitrotoluene	350	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB103

b Name: SWL-TULSA

Contract: FT. HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28014

Matrix: (soil/water) SOIL

Lab Sample ID: 28014.12

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: P10935.D

Level: (low/med) LOW

Date Received: 12/18/96

% Moisture: not dec. 6 dec.

Date Extracted: 12/19/96

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 01/13/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 8.5

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

99-09-2-----	3-Nitroaniline	1700	U
83-32-9-----	Acenaphthene	350	U
121-14-2-----	2,4-Dinitrotoluene	350	U
51-28-5-----	2,4-Dinitrophenol	1700	U
100-02-7-----	4-Nitrophenol	1700	U
132-64-9-----	Dibenzofuran	350	U
84-66-2-----	Diethylphthalate	350	U
7005-72-3-----	4-Chlorophenyl-phenylether	350	U
86-73-7-----	Fluorene	350	U
100-01-6-----	4-Nitroaniline	1700	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1700	U
86-30-6-----	N-Nitrosodiphenylamine (1)	350	U
101-55-3-----	4-Bromophenylphenylether	350	U
118-74-1-----	Hexachlorobenzene	350	U
87-86-5-----	Pentachlorophenol	1700	U
85-01-8-----	Phenanthrene	350	U
120-12-7-----	Anthracene	350	U
84-74-2-----	Di-n-butylphthalate	350	U
206-44-0-----	Fluoranthene	350	U
129-00-0-----	Pyrene	350	U
85-68-7-----	Butylbenzylphthalate	350	U
91-94-1-----	3,3'-Dichlorobenzidine	700	U
56-55-3-----	Benzo(a)anthracene	350	U
218-01-9-----	Chrysene	350	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	350	U
117-84-0-----	Di-n-octylphthalate	350	U
205-99-2-----	Benzo(b)fluoranthene	350	U
207-08-9-----	Benzo(k)fluoranthene	350	U
50-32-8-----	Benzo(a)pyrene	350	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	350	U
53-70-3-----	Dibenz(a,h)anthracene	350	U
191-24-2-----	Benzo(g,h,i)perylene	350	U
110-86-1-----	Pyridine	350	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB103

b Name: SWL-TULSA

Contract: FT. HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28014

Matrix: (soil/water) SOIL

Lab Sample ID: 28014.12

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: P10935.D

Level: (low/med) LOW

Date Received: 12/18/96

% Moisture: not dec. 6 dec.

Date Extracted: 12/19/96

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 01/13/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 8.5

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
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95-9403-----	1,2,4,5-Tetrachlorobenzene		
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350

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1
INORGANIC ANALYSES DATA SHEET

01412

Lab Name: SOUTHWEST_LAB_OF_OK_____ Contract: SAIC_____ | _____
Lab Code: SWOK_____ Case No.: 28014 SAS No.: _____ SDG No.: 28014A
Matrix (soil/water): SOIL_____ Lab Sample ID: 28014.12_____
Level (low/med): LOW_____ Date Received: 12/18/96_____
% Solids: 93.9_____

[illegible]

Texture: MEDIUM
Artifacts: _____

CLIENT ID = 10SB103

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB104

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28014

Matrix: (soil/water) SOIL

Lab Sample ID: 28014.13

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I22735.D

Level: (low/med) LOW

Date Received: 12/18/96

% Moisture: not dec. 17

Date Analyzed: 12/20/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

74-87-3	CHLOROMETHANE	6	U
74-83-9	BROMOMETHANE	6	U
75-01-4	VINYL CHLORIDE	6	U
75-00-3	CHLOROETHANE	6	U
75-09-2	METHYLENE CHLORIDE	6	U
67-64-1	ACETONE	5	JB
75-35-4	1 1-DICHLOROETHENE	6	U
75-34-3	1 1-DICHLOROETHANE	6	U
67-66-3	CHLOROFORM	6	U
107-06-2	1 2-DICHLOROETHANE	6	U
78-93-3	2-BUTANONE	6	U
71-55-6	1 1 1-TRICHLOROETHANE	6	U
56-23-5	CARBON TETRACHLORIDE	6	U
75-27-4	BROMODICHLOROMETHANE	6	U
78-87-5	1 2-DICHLOROPROPANE	6	U
79-01-6	TRICHLOROETHENE	2	J
124-48-1	DIBROMOCHLOROMETHANE	6	U
79-00-5	1 1 2-TRICHLOROETHANE	6	U
71-43-2	BENZENE	6	U
75-25-2	BROMOFORM	6	U
108-10-1	4-METHYL-2-PENTANONE	6	U
591-78-6	2-HEXANONE	6	U
127-18-4	TETRACHLOROETHENE	6	U
108-88-3	TOLUENE	10	
79-34-5	1 1 2 2-TETRACHLOROETHANE	6	U
108-90-7	CHLOROBENZENE	6	U
100-41-4	ETHYL BENZENE	6	U
100-42-5	STYRENE	6	U
156-59-2	cis-1 2-DICHLOROETHENE	6	U
156-60-5	trans-1 2-DICHLOROETHENE	6	U
13-302-07	m,p-XYLENES	6	U
95-47-6	o-XYLENE	6	U
106-93-4	1 2-DIBROMOETHANE	6	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB104

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28014

Matrix: (soil/water) SOIL

Lab Sample ID: 28014.13

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I22735.D

Level: (low/med) LOW

Date Received: 12/18/96

% Moisture: not dec. 17

Date Analyzed: 12/20/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q
---------	----------	---

96-18-4-----1 2 3-TRICHLOROPROPANE	6	U
75-71-8-----DICHLORODIFLUOROMETHANE	6	U
75-69-4-----TRICHLOROFLUOROMETHANE	6	U
74-95-3-----DIBROMOMETHANE	6	U
96-12-8-----1 2-DIBROMO-3-CHLOROPROPANE	6	U
108-86-1-----BROMOBENZENE	6	U
104-51-8-----n-BUTYLBENZENE	6	U
98-06-6-----tert-BUTYLBENZENE	6	U
135-98-8-----sec-BUTYLBENZENE	6	U
95-49-8-----2-CHLOROTOLUENE	6	U
106-43-4-----4-CHLOROTOLUENE	6	U
95-50-1-----1 2-DICHLOROBENZENE	6	U
541-73-1-----1 3-DICHLOROBENZENE	6	U
106-46-7-----1 4-DICHLOROBENZENE	6	U
142-28-9-----1 3-DICHLOROPROPANE	6	U
594-20-7-----2 2-DICHLOROPROPANE	6	U
563-58-6-----1 1-DICHLOROPROPENE	6	U
87-68-3-----HEXACHLOROBUTADIENE	6	U
98-82-8-----ISOPROPYLBENZENE	6	U
99-87-6-----p-ISOPROPYLTOLUENE	6	U
91-20-3-----NAPHTHALENE	6	U
103-65-1-----n-PROPYLBENZENE	6	U
87-61-6-----1 2 3-TRICHLOROBENZENE	6	U
120-82-1-----1 2 4-TRICHLOROBENZENE	6	U
95-63-6-----1 2 4-TRIMETHYLBENZENE	6	U
108-67-8-----1 3 5-TRIMETHYLBENZENE	6	U
74-97-5-----BROMOCHLOROMETHANE	6	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB104

Lab Name: SWL-TULSA Contract: FT. HOOD
Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28014
Matrix: (soil/water) SOIL Lab Sample ID: 28014.13
Sample wt/vol: 30.0 (g/mL) G Lab File ID: P10936.D
Level: (low/med) LOW Date Received: 12/18/96
% Moisture: not dec. 17 dec. Date Extracted: 12/19/96
Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 01/13/97
Concentrated Extract Volume: 1000(uL)
GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

108-95-2-----	Phenol	400	U
111-44-4-----	bis(2-Chloroethyl)ether	400	U
95-57-8-----	2-Chlorophenol	400	U
541-73-1-----	1,3-Dichlorobenzene	400	U
106-46-7-----	1,4-Dichlorobenzene	400	U
100-51-6-----	Benzyl alcohol	400	U
95-50-1-----	1,2-Dichlorobenzene	400	U
95-48-7-----	2-Methylphenol	400	U
108-60-1-----	bis(2-Chloroisopropyl)ether	400	U
106-44-5-----	4-Methylphenol	400	U
621-64-7-----	N-Nitroso-di-n-propylamine	400	U
67-72-1-----	Hexachloroethane	400	U
98-95-3-----	Nitrobenzene	400	U
78-59-1-----	Isophorone	400	U
88-75-5-----	2-Nitrophenol	400	U
105-67-9-----	2,4-Dimethylphenol	400	U
65-85-0-----	Benzoic Acid	1900	U
111-91-1-----	bis(2-Chloroethoxy)methane	400	U
120-83-2-----	2,4-Dichlorophenol	400	U
120-82-1-----	1,2,4-Trichlorobenzene	400	U
91-20-3-----	Naphthalene	400	U
106-47-8-----	4-Chloroaniline	400	U
87-68-3-----	Hexachlorobutadiene	400	U
59-50-7-----	4-Chloro-3-methylphenol	400	U
91-57-6-----	2-Methylnaphthalene	400	U
77-47-4-----	Hexachlorocyclopentadiene	400	U
88-06-2-----	2,4,6-Trichlorophenol	400	U
95-95-4-----	2,4,5-Trichlorophenol	1900	U
91-58-7-----	2-Chloronaphthalene	400	U
88-74-4-----	2-Nitroaniline	1900	U
131-11-3-----	Dimethylphthalate	400	U
208-96-8-----	Acenaphthylene	400	U
606-20-2-----	2,6-Dinitrotoluene	400	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB104

Lab Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28014

Matrix: (soil/water) SOIL Lab Sample ID: 28014.13

Sample wt/vol: 30.0 (g/mL) G Lab File ID: P10936.D

Level: (low/med) LOW Date Received: 12/18/96

% Moisture: not dec. 17 dec. Date Extracted: 12/19/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 01/13/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

99-09-2-----	3-Nitroaniline	1900	U
83-32-9-----	Acenaphthene	400	U
121-14-2-----	2,4-Dinitrotoluene	400	U
51-28-5-----	2,4-Dinitrophenol	1900	U
100-02-7-----	4-Nitrophenol	1900	U
132-64-9-----	Dibenzofuran	400	U
84-66-2-----	Diethylphthalate	400	U
7005-72-3-----	4-Chlorophenyl-phenylether	400	U
86-73-7-----	Fluorene	400	U
100-01-6-----	4-Nitroaniline	1900	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1900	U
86-30-6-----	N-Nitrosodiphenylamine (1)	400	U
101-55-3-----	4-Bromophenylphenylether	400	U
118-74-1-----	Hexachlorobenzene	400	U
87-86-5-----	Pentachlorophenol	1900	U
85-01-8-----	Phenanthrene	400	U
120-12-7-----	Anthracene	400	U
84-74-2-----	Di-n-butylphthalate	400	U
206-44-0-----	Fluoranthene	400	U
129-00-0-----	Pyrene	400	U
85-68-7-----	Butylbenzylphthalate	400	U
91-94-1-----	3,3'-Dichlorobenzidine	800	U
56-55-3-----	Benzo(a)anthracene	400	U
218-01-9-----	Chrysene	400	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	400	U
117-84-0-----	Di-n-octylphthalate	400	U
205-99-2-----	Benzo(b)fluoranthene	400	U
207-08-9-----	Benzo(k)fluoranthene	400	U
50-32-8-----	Benzo(a)pyrene	400	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	400	U
53-70-3-----	Dibenz(a,h)anthracene	400	U
191-24-2-----	Benzo(g,h,i)perylene	400	U
110-86-1-----	Pyridine	400	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB104

b Name: SWL-TULSA

Contract: FT. HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28014

Matrix: (soil/water) SOIL

Lab Sample ID: 28014.13

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: P10936.D

Level: (low/med) LOW

Date Received: 12/18/96

% Moisture: not dec. 17 dec.

Date Extracted: 12/19/96

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 01/13/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 7.8

Dilution Factor: 1.0

CAS NO. .	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
-----------	----------	---	---

95-9403-----	1,2,4,5-Tetrachlorobenzene		
--------------	----------------------------	--	--

400

U

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

01413

Lab Name: SOUTHWEST_LAB_OF_OK_____ Contract: SAIC_____

Lab Code: SWOK_____ Case No.: 28014_____ SAS No.: _____ SDG No.: 28014A_____

Matrix (soil/water): SOIL_____ Lab Sample ID: 28014.13_____

Level (low/med): LOW_____ Date Received: 12/18/96_____

% Solids: 82.5_____

Concentration Units (ug/L or mg/kg dry weight): MG/KG

[illegible]

Color Before: BROWN
Color After: YELLOW

Clarity Before: _____
Clarity After: _____

Texture: MEDIUM
Artifacts: _____

Comments :

CLIENT ID = 10SB104

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB105

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28014

Matrix: (soil/water) SOIL

Lab Sample ID: 28014.14

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I22736.D

Level: (low/med) LOW

Date Received: 12/18/96

% Moisture: not dec. 10

Date Analyzed: 12/20/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

74-87-3	CHLOROMETHANE	6	U
74-83-9	BROMOMETHANE	6	U
75-01-4	VINYL CHLORIDE	6	U
75-00-3	CHLOROETHANE	6	U
75-09-2	METHYLENE CHLORIDE	2	JB
67-64-1	ACETONE	9	B
75-35-4	1 1-DICHLOROETHENE	6	U
75-34-3	1 1-DICHLOROETHANE	6	U
67-66-3	CHLOROFORM	6	U
107-06-2	1 2-DICHLOROETHANE	6	U
78-93-3	2-BUTANONE	6	U
71-55-6	1 1-TRICHLOROETHANE	6	U
56-23-5	CARBON TETRACHLORIDE	6	U
75-27-4	BROMODICHLOROMETHANE	6	U
78-87-5	1 2-DICHLOROPROPANE	6	U
79-01-6	TRICHLOROETHENE	6	U
124-48-1	DIBROMOCHLOROMETHANE	6	U
79-00-5	1 1 2-TRICHLOROETHANE	6	U
71-43-2	BENZENE	6	U
75-25-2	BROMOFORM	6	U
108-10-1	4-METHYL-2-PENTANONE	6	U
591-78-6	2-HEXANONE	6	U
127-18-4	TETRACHLOROETHENE	6	U
108-88-3	TOLUENE	4	J
79-34-5	1 1 2 2-TETRACHLOROETHANE	6	U
108-90-7	CHLOROBENZENE	6	U
100-41-4	ETHYL BENZENE	6	U
100-42-5	STYRENE	6	U
156-59-2	cis-1 2-DICHLOROETHENE	6	U
156-60-5	trans-1 2-DICHLOROETHENE	6	U
13-302-07	m,p-XYLENES	6	U
95-47-6	o-XYLENE	6	U
106-93-4	1 2-DIBROMOETHANE	6	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB105

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28014

Matrix: (soil/water) SOIL

Lab Sample ID: 28014.14

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I22736.D

Level: (low/med) LOW

Date Received: 12/18/96

% Moisture: not dec. 10

Date Analyzed: 12/20/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

96-18-4-----1 2 3-TRICHLOROPROPANE	6	U
75-71-8-----DICHLORODIFLUOROMETHANE	6	U
75-69-4-----TRICHLOROFLUOROMETHANE	6	U
74-95-3-----DIBROMOMETHANE	6	U
96-12-8-----1 2-DIBROMO-3-CHLOROPROPANE	6	U
108-86-1-----BROMOBENZENE	6	U
104-51-8-----n-BUTYLBENZENE	6	U
98-06-6-----tert-BUTYLBENZENE	6	U
135-98-8-----sec-BUTYLBENZENE	6	U
95-49-8-----2-CHLOROTOLUENE	6	U
106-43-4-----4-CHLOROTOLUENE	6	U
95-50-1-----1 2-DICHLORO BENZENE	6	U
541-73-1-----1 3-DICHLORO BENZENE	6	U
106-46-7-----1 4-DICHLORO BENZENE	6	U
142-28-9-----1 3-DICHLOROPROPANE	6	U
594-20-7-----2 2-DICHLOROPROPANE	6	U
563-58-6-----1 1-DICHLOROPROPENE	6	U
87-68-3-----HEXACHLORO BUTADIENE	6	U
98-82-8-----ISOPROPYLBENZENE	6	U
99-87-6-----p-ISOPROPYLTOLUENE	6	U
91-20-3-----NAPHTHALENE	6	U
103-65-1-----n-PROPYLBENZENE	6	U
87-61-6-----1 2 3-TRICHLORO BENZENE	6	U
120-82-1-----1 2 4-TRICHLORO BENZENE	6	U
95-63-6-----1 2 4-TRIMETHYLBENZENE	6	U
108-67-8-----1 3 5-TRIMETHYLBENZENE	6	U
74-97-5-----BROMOCHLOROMETHANE	6	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB105

b Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28014

Matrix: (soil/water) SOIL Lab Sample ID: 28014.14

Sample wt/vol: 30.0 (g/mL) G Lab File ID: P10937.D

Level: (low/med) LOW Date Received: 12/18/96

% Moisture: not dec. 10 dec. Date Extracted: 12/19/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 01/13/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.8 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2-----	Phenol	370	U
111-44-4-----	bis(2-Chloroethyl)ether	370	U
95-57-8-----	2-Chlorophenol	370	U
541-73-1-----	1,3-Dichlorobenzene	370	U
106-46-7-----	1,4-Dichlorobenzene	370	U
100-51-6-----	Benzyl alcohol	370	U
95-50-1-----	1,2-Dichlorobenzene	370	U
95-48-7-----	2-Methylphenol	370	U
108-60-1-----	bis(2-Chloroisopropyl)ether	370	U
106-44-5-----	4-Methylphenol	370	U
621-64-7-----	N-Nitroso-di-n-propylamine	370	U
67-72-1-----	Hexachloroethane	370	U
98-95-3-----	Nitrobenzene	370	U
78-59-1-----	Isophorone	370	U
88-75-5-----	2-Nitrophenol	370	U
105-67-9-----	2,4-Dimethylphenol	370	U
65-85-0-----	Benzoic Acid	1800	U
111-91-1-----	bis(2-Chloroethoxy)methane	370	U
120-83-2-----	2,4-Dichlorophenol	370	U
120-82-1-----	1,2,4-Trichlorobenzene	370	U
91-20-3-----	Naphthalene	370	U
106-47-8-----	4-Chloroaniline	370	U
87-68-3-----	Hexachlorobutadiene	370	U
59-50-7-----	4-Chloro-3-methylphenol	370	U
91-57-6-----	2-Methylnaphthalene	370	U
77-47-4-----	Hexachlorocyclopentadiene	370	U
88-06-2-----	2,4,6-Trichlorophenol	370	U
95-95-4-----	2,4,5-Trichlorophenol	1800	U
91-58-7-----	2-Chloronaphthalene	370	U
88-74-4-----	2-Nitroaniline	1800	U
131-11-3-----	Dimethylphthalate	370	U
208-96-8-----	Acenaphthylene	370	U
606-20-2-----	2,6-Dinitrotoluene	370	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB105

b Name: SWL-TULSA

Contract: FT. HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28014

Matrix: (soil/water) SOIL

Lab Sample ID: 28014.14

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: P10937.D

Level: (low/med) LOW

Date Received: 12/18/96

% Moisture: not dec. 10 dec.

Date Extracted: 12/19/96

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 01/13/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 8.8

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

99-09-2-----	3-Nitroaniline	1800	U
83-32-9-----	Acenaphthene	370	U
121-14-2-----	2,4-Dinitrotoluene	370	U
51-28-5-----	2,4-Dinitrophenol	1800	U
100-02-7-----	4-Nitrophenol	1800	U
132-64-9-----	Dibenzofuran	370	U
84-66-2-----	Diethylphthalate	370	U
7005-72-3-----	4-Chlorophenyl-phenylether	370	U
86-73-7-----	Fluorene	370	U
100-01-6-----	4-Nitroaniline	1800	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1800	U
86-30-6-----	N-Nitrosodiphenylamine (1)	370	U
101-55-3-----	4-Bromophenylphenylether	370	U
118-74-1-----	Hexachlorobenzene	370	U
87-86-5-----	Pentachlorophenol	1800	U
85-01-8-----	Phenanthrene	370	U
120-12-7-----	Anthracene	370	U
84-74-2-----	Di-n-butylphthalate	370	U
206-44-0-----	Fluoranthene	370	U
129-00-0-----	Pyrene	370	U
85-68-7-----	Butylbenzylphthalate	370	U
91-94-1-----	3,3'-Dichlorobenzidine	730	U
56-55-3-----	Benzo(a)anthracene	370	U
218-01-9-----	Chrysene	370	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	370	U
117-84-0-----	Di-n-octylphthalate	370	U
205-99-2-----	Benzo(b)fluoranthene	370	U
207-08-9-----	Benzo(k)fluoranthene	370	U
50-32-8-----	Benzo(a)pyrene	370	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	370	U
53-70-3-----	Dibenz(a,h)anthracene	370	U
191-24-2-----	Benzo(g,h,i)perylene	370	U
110-86-1-----	Pyridine	370	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB105

Lab Name: SWL-TULSA Contract: FT. HOOD
Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28014
Matrix: (soil/water) SOIL Lab Sample ID: 28014.14
Sample wt/vol: 30.0 (g/mL) G Lab File ID: P10937.D
Level: (low/med) LOW Date Received: 12/18/96
% Moisture: not dec. 10 dec. Date Extracted: 12/19/96
Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 01/13/97
Concentrated Extract Volume: 1000(uL)
GPC Cleanup: (Y/N) N pH: 8.8 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg) UG/KG	Q
95-9403-----	1,2,4,5-Tetrachlorobenzene__	370	U

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

01414

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC
Lab Code: SWOK Case No.: 28014 SAS No.: SDG No.: 28014A
Matrix (soil/water): SOIL Lab Sample ID: 28014.14
Level (low/med): LOW Date Received: 12/18/96
% Solids: 90.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

[illegible]

Color Before: BROWN _____ Clarity Before: _____ Texture: MEDIUM
Color After: YELLOW _____ Clarity After: _____ Artifacts: _____

Comments :

CLIENT ID = 10SB105

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB106

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28014

Matrix: (soil/water) SOIL

Lab Sample ID: 28014.15

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I22751.D

Level: (low/med) LOW

Date Received: 12/18/96

% Moisture: not dec. 6

Date Analyzed: 12/27/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

74-87-3-----	CHLOROMETHANE	5	U
74-83-9-----	BROMOMETHANE	5	U
75-01-4-----	VINYL CHLORIDE	5	U
75-00-3-----	CHLOROETHANE	5	U
75-09-2-----	METHYLENE CHLORIDE	14	
67-64-1-----	ACETONE	17	
75-35-4-----	1 1-DICHLOROETHENE	5	U
75-34-3-----	1 1-DICHLOROETHANE	5	U
67-66-3-----	CHLOROFORM	5	U
107-06-2-----	1 2-DICHLOROETHANE	5	U
78-93-3-----	2-BUTANONE	5	U
71-55-6-----	1 1-TRICHLOROETHANE	5	U
56-23-5-----	CARBON TETRACHLORIDE	5	U
75-27-4-----	BROMODICHLOROMETHANE	5	U
78-87-5-----	1 2-DICHLOROPROPANE	5	U
79-01-6-----	TRICHLOROETHENE	5	U
124-48-1-----	DIBROMOCHLOROMETHANE	5	U
79-00-5-----	1 1 2-TRICHLOROETHANE	5	U
71-43-2-----	BENZENE	5	U
75-25-2-----	BROMOFORM	5	U
108-10-1-----	4-METHYL-2-PENTANONE	5	U
591-78-6-----	2-HEXANONE	5	U
127-18-4-----	TETRACHLOROETHENE	5	U
108-88-3-----	TOLUENE	5	U
79-34-5-----	1 1 2 2-TETRACHLOROETHANE	5	U
108-90-7-----	CHLOROBENZENE	5	U
100-41-4-----	ETHYL BENZENE	5	U
100-42-5-----	STYRENE	5	U
156-59-2-----	cis-1 2-DICHLOROETHENE	5	U
156-60-5-----	trans-1 2-DICHLOROETHENE	5	U
13-302-07-----	m,p-XYLENES	5	U
95-47-6-----	o-XYLENE	5	U
106-93-4-----	1 2-DIBROMOETHANE	5	U
630-20-6-----	1 1 1 2-TETRACHLOROETHANE	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB106

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28014

Matrix: (soil/water) SOIL

Lab Sample ID: 28014.15

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I22751.D

Level: (low/med) LOW

Date Received: 12/18/96

% Moisture: not dec. 6

Date Analyzed: 12/27/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.

COMPOUND

96-18-4-----1 2 3-TRICHLOROPROPANE	5	U
75-71-8-----DICHLORODIFLUOROMETHANE	5	U
75-69-4-----TRICHLOROFUOROMETHANE	5	U
74-95-3-----DIBROMOMETHANE	5	U
96-12-8-----1 2-DIBROMO-3-CHLOROPROPANE	5	U
108-86-1-----BROMOBENZENE	5	U
104-51-8-----n-BUTYLBENZENE	5	U
98-06-6-----tert-BUTYLBENZENE	5	U
135-98-8-----sec-BUTYLBENZENE	5	U
95-49-8-----2-CHLOROTOLUENE	5	U
106-43-4-----4-CHLOROTOLUENE	5	U
95-50-1-----1 2-DICHLOROBENZENE	5	U
541-73-1-----1 3-DICHLOROBENZENE	5	U
106-46-7-----1 4-DICHLOROBENZENE	5	U
142-28-9-----1 3-DICHLOROPROPANE	5	U
594-20-7-----2 2-DICHLOROPROPANE	5	U
563-58-6-----1 1-DICHLOROPROPENE	5	U
87-68-3-----HEXACHLOROBUTADIENE	5	U
98-82-8-----ISOPROPYLBENZENE	5	U
99-87-6-----p-ISOPROPYLTOLUENE	5	U
91-20-3-----NAPHTHALENE	5	U
103-65-1-----n-PROPYLBENZENE	5	U
87-61-6-----1 2 3-TRICHLOROBENZENE	5	U
120-82-1-----1 2 4-TRICHLOROBENZENE	5	U
95-63-6-----1 2 4-TRIMETHYLBENZENE	5	U
108-67-8-----1 3 5-TRIMETHYLBENZENE	5	U
74-97-5-----BROMOCHLOROMETHANE	5	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB106

Lab Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28014

Matrix: (soil/water) SOIL Lab Sample ID: 28014.15

Sample wt/vol: 30.0 (g/mL) G Lab File ID: P10938.D

Level: (low/med) LOW Date Received: 12/18/96

% Moisture: not dec. 6 dec. Date Extracted: 12/19/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 01/13/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.1 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2-----	Phenol	350	U
111-44-4-----	bis(2-Chloroethyl)ether	350	U
95-57-8-----	2-Chlorophenol	350	U
541-73-1-----	1,3-Dichlorobenzene	350	U
106-46-7-----	1,4-Dichlorobenzene	350	U
100-51-6-----	Benzyl alcohol	350	U
95-50-1-----	1,2-Dichlorobenzene	350	U
95-48-7-----	2-Methylphenol	350	U
108-60-1-----	bis(2-Chloroisopropyl)ether	350	U
106-44-5-----	4-Methylphenol	350	U
621-64-7-----	N-Nitroso-di-n-propylamine	350	U
67-72-1-----	Hexachloroethane	350	U
98-95-3-----	Nitrobenzene	350	U
78-59-1-----	Isophorone	350	U
88-75-5-----	2-Nitrophenol	350	U
105-67-9-----	2,4-Dimethylphenol	350	U
65-85-0-----	Benzoic Acid	1700	U
111-91-1-----	bis(2-Chloroethoxy)methane	350	U
120-83-2-----	2,4-Dichlorophenol	350	U
120-82-1-----	1,2,4-Trichlorobenzene	350	U
91-20-3-----	Naphthalene	350	U
106-47-8-----	4-Chloroaniline	350	U
87-68-3-----	Hexachlorobutadiene	350	U
59-50-7-----	4-Chloro-3-methylphenol	350	U
91-57-6-----	2-Methylnaphthalene	350	U
77-47-4-----	Hexachlorocyclopentadiene	350	U
88-06-2-----	2,4,6-Trichlorophenol	350	U
95-95-4-----	2,4,5-Trichlorophenol	1700	U
91-58-7-----	2-Chloronaphthalene	350	U
88-74-4-----	2-Nitroaniline	1700	U
131-11-3-----	Dimethylphthalate	350	U
208-96-8-----	Acenaphthylene	350	U
606-20-2-----	2,6-Dinitrotoluene	350	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB106

b Name: SWL-TULSA

Contract: FT. HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28014

Matrix: (soil/water) SOIL

Lab Sample ID: 28014.15

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: P10938.D

Level: (low/med) LOW

Date Received: 12/18/96

% Moisture: not dec. 6 dec.

Date Extracted: 12/19/96

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 01/13/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 8.1

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

99-09-2-----	3-Nitroaniline	1700	U
83-32-9-----	Acenaphthene	350	U
121-14-2-----	2,4-Dinitrotoluene	350	U
51-28-5-----	2,4-Dinitrophenol	1700	U
100-02-7-----	4-Nitrophenol	1700	U
132-64-9-----	Dibenzofuran	350	U
84-66-2-----	Diethylphthalate	350	U
7005-72-3-----	4-Chlorophenyl-phenylether	350	U
86-73-7-----	Fluorene	350	U
100-01-6-----	4-Nitroaniline	1700	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1700	U
86-30-6-----	N-Nitrosodiphenylamine (1)	350	U
101-55-3-----	4-Bromophenylphenylether	350	U
118-74-1-----	Hexachlorobenzene	350	U
87-86-5-----	Pentachlorophenol	1700	U
85-01-8-----	Phenanthrene	350	U
120-12-7-----	Anthracene	350	U
84-74-2-----	Di-n-butylphthalate	350	U
206-44-0-----	Fluoranthene	350	U
129-00-0-----	Pyrene	350	U
85-68-7-----	Butylbenzylphthalate	350	U
91-94-1-----	3,3'-Dichlorobenzidine	700	U
56-55-3-----	Benzo(a)anthracene	350	U
218-01-9-----	Chrysene	350	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	350	U
117-84-0-----	Di-n-octylphthalate	350	U
205-99-2-----	Benzo(b)fluoranthene	350	U
207-08-9-----	Benzo(k)fluoranthene	350	U
50-32-8-----	Benzo(a)pyrene	350	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	350	U
53-70-3-----	Dibenz(a,h)anthracene	350	U
191-24-2-----	Benzo(g,h,i)perylene	350	U
110-86-1-----	Pyridine	350	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB106

b Name: SWL-TULSA

Contract: FT. HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28014

Matrix: (soil/water) SOIL

Lab Sample ID: 28014.15

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: P10938.D

Level: (low/med) LOW

Date Received: 12/18/96

% Moisture: not dec. 6 dec.

Date Extracted: 12/19/96

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 01/13/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 8.1

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

95-9403-----1,2,4,5-Tetrachlorobenzene__

350

U

1
INORGANIC ANALYSES DATA SHEET

01415

Concentration Units (ug/L or mg/kg dry weight): MG/KG

[illegible]

Texture: MEDIUM
Artifacts: _____

CLIENT ID = 10SB106

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB107

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28026

Matrix: (soil/water) SOIL

Lab Sample ID: 28026.01

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I22738.D

Level: (low/med) LOW

Date Received: 12/19/96

% Moisture: not dec. 17

Date Analyzed: 12/20/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

74-87-3-----	CHLOROMETHANE	6	U
74-83-9-----	BROMOMETHANE	6	U
75-01-4-----	VINYL CHLORIDE	6	U
75-00-3-----	CHLOROETHANE	6	U
75-09-2-----	METHYLENE CHLORIDE	2	JB
67-64-1-----	ACETONE	140	B
75-35-4-----	1 1-DICHLOROETHENE	6	U
75-34-3-----	1 1-DICHLOROETHANE	6	U
67-66-3-----	CHLOROFORM	6	U
107-06-2-----	1 2-DICHLOROETHANE	6	U
78-93-3-----	2-BUTANONE	6	U
71-55-6-----	1 1 1-TRICHLOROETHANE	6	U
56-23-5-----	CARBON TETRACHLORIDE	6	U
75-27-4-----	BROMODICHLOROMETHANE	6	U
78-87-5-----	1 2-DICHLOROPROPANE	6	U
79-01-6-----	TRICHLOROETHENE	6	U
124-48-1-----	DIBROMOCHLOROMETHANE	6	U
79-00-5-----	1 1 2-TRICHLOROETHANE	6	U
71-43-2-----	BENZENE	6	U
75-25-2-----	BROMOFORM	6	U
108-10-1-----	4-METHYL-2-PENTANONE	6	U
591-78-6-----	2-HEXANONE	6	U
127-18-4-----	TETRACHLOROETHENE	6	U
108-88-3-----	TOLUENE	7	
79-34-5-----	1 1 2 2-TETRACHLOROETHANE	6	U
108-90-7-----	CHLOROBENZENE	6	U
100-41-4-----	ETHYL BENZENE	6	U
100-42-5-----	STYRENE	6	U
156-59-2-----	cis-1 2-DICHLOROETHENE	6	U
156-60-5-----	trans-1 2-DICHLOROETHENE	6	U
13-302-07-----	m,p-XYLENES	6	U
95-47-6-----	o-XYLENE	6	U
106-93-4-----	1 2-DIBROMOETHANE	6	U
630-20-6-----	1 1 1 2-TETRACHLOROETHANE	6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB107

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28026

Matrix: (soil/water) SOIL

Lab Sample ID: 28026.01

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I22738.D

Level: (low/med) LOW

Date Received: 12/19/96

Moisture: not dec. 17

Date Analyzed: 12/20/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.

COMPOUND

96-18-4-----1 2 3-TRICHLOROPROPANE	6	U
75-71-8-----DICHLORODIFLUOROMETHANE	6	U
75-69-4-----TRICHLOROFLUOROMETHANE	6	U
74-95-3-----DIBROMOMETHANE	6	U
96-12-8-----1 2-DIBROMO-3-CHLOROPROPANE	6	U
108-86-1-----BROMOBENZENE	6	U
104-51-8-----n-BUTYLBENZENE	6	U
98-06-6-----tert-BUTYLBENZENE	6	U
135-98-8-----sec-BUTYLBENZENE	6	U
95-49-8-----2-CHLOROTOLUENE	6	U
106-43-4-----4-CHLOROTOLUENE	6	U
95-50-1-----1 2-DICHLOROBENZENE	6	U
541-73-1-----1 3-DICHLOROBENZENE	6	U
106-46-7-----1 4-DICHLOROBENZENE	6	U
142-28-9-----1 3-DICHLOROPROPANE	6	U
594-20-7-----2 2-DICHLOROPROPANE	6	U
563-58-6-----1 1-DICHLOROPROPENE	6	U
87-68-3-----HEXACHLOROBUTADIENE	6	U
98-82-8-----ISOPROPYLBENZENE	6	U
99-87-6-----p-ISOPROPYLTOLUENE	6	U
91-20-3-----NAPHTHALENE	6	U
103-65-1-----n-PROPYLBENZENE	6	U
87-61-6-----1 2 3-TRICHLOROBENZENE	6	U
120-82-1-----1 2 4-TRICHLOROBENZENE	6	U
95-63-6-----1 2 4-TRIMETHYLBENZENE	6	U
108-67-8-----1 3 5-TRIMETHYLBENZENE	6	U
74-97-5-----BROMOCHLOROMETHANE	6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB107RE

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28026

Matrix: (soil/water) SOIL

Lab Sample ID: 28026.01RA

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I22752.D

Level: (low/med) LOW

Date Received: 12/19/96

% Moisture: not dec. 17

Date Analyzed: 12/27/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.

COMPOUND

74-87-3-----	CHLOROMETHANE	6	U
74-83-9-----	BROMOMETHANE	6	U
75-01-4-----	VINYL CHLORIDE	6	U
75-00-3-----	CHLOROETHANE	6	U
75-09-2-----	METHYLENE CHLORIDE	16	
67-64-1-----	ACETONE	44	
75-35-4-----	1 1-DICHLOROETHENE	6	U
75-34-3-----	1 1-DICHLOROETHANE	6	U
67-66-3-----	CHLOROFORM	6	U
107-06-2-----	1 2-DICHLOROETHANE	6	U
78-93-3-----	2-BUTANONE	6	U
71-55-6-----	1 1-TRICHLOROETHANE	6	U
56-23-5-----	CARBON TETRACHLORIDE	6	U
75-27-4-----	BROMODICHLOROMETHANE	6	U
78-87-5-----	1 2-DICHLOROPROPANE	6	U
79-01-6-----	TRICHLOROETHENE	6	U
124-48-1-----	DIBROMOCHLOROMETHANE	6	U
79-00-5-----	1 1 2-TRICHLOROETHANE	6	U
71-43-2-----	BENZENE	6	U
75-25-2-----	BROMOFORM	6	U
108-10-1-----	4-METHYL-2-PENTANONE	6	U
591-78-6-----	2-HEXANONE	6	U
127-18-4-----	TETRACHLOROETHENE	6	U
108-88-3-----	TOLUENE	6	U
79-34-5-----	1 1 2 2-TETRACHLOROETHANE	6	U
108-90-7-----	CHLOROBENZENE	6	U
100-41-4-----	ETHYL BENZENE	6	U
100-42-5-----	STYRENE	6	U
156-59-2-----	cis-1 2-DICHLOROETHENE	6	U
156-60-5-----	trans-1 2-DICHLOROETHENE	6	U
13-302-07-----	m,p-XYLENES	6	U
95-47-6-----	o-XYLENE	6	U
106-93-4-----	1 2-DIBROMOETHANE	6	U
630-20-6-----	1 1 1 2-TETRACHLOROETHANE	6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB107RE

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28026

Matrix: (soil/water) SOIL

Lab Sample ID: 28026.01RA

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I22752.D

Level: (low/med) LOW

Date Received: 12/19/96

% Moisture: not dec. 17

Date Analyzed: 12/27/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.

COMPOUND

96-18-4-----1 2 3-TRICHLOROPROPANE	6	U
75-71-8-----DICHLORODIFLUOROMETHANE	6	U
75-69-4-----TRICHLOROFLUOROMETHANE	6	U
74-95-3-----DIBROMOMETHANE	6	U
96-12-8-----1 2-DIBROMO-3-CHLOROPROPANE	6	U
108-86-1-----BROMOBENZENE	6	U
104-51-8-----n-BUTYLBENZENE	6	U
98-06-6-----tert-BUTYLBENZENE	6	U
135-98-8-----sec-BUTYLBENZENE	6	U
95-49-8-----2-CHLOROTOLUENE	6	U
106-43-4-----4-CHLOROTOLUENE	6	U
95-50-1-----1 2-DICHLOROBENZENE	6	U
541-73-1-----1 3-DICHLOROBENZENE	6	U
106-46-7-----1 4-DICHLOROBENZENE	6	U
142-28-9-----1 3-DICHLOROPROPANE	6	U
594-20-7-----2 2-DICHLOROPROPANE	6	U
563-58-6-----1 1-DICHLOROPROPENE	6	U
87-68-3-----HEXACHLOROBUTADIENE	6	U
98-82-8-----ISOPROPYLBENZENE	6	U
99-87-6-----p-ISOPROPYLTOLUENE	6	U
91-20-3-----NAPHTHALENE	6	U
103-65-1-----n-PROPYLBENZENE	6	U
87-61-6-----1 2 3-TRICHLOROBENZENE	6	U
120-82-1-----1 2 4-TRICHLOROBENZENE	6	U
95-63-6-----1 2 4-TRIMETHYLBENZENE	6	U
108-67-8-----1 3 5-TRIMETHYLBENZENE	6	U
74-97-5-----BROMOCHLOROMETHANE	6	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB107

b Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28026

Matrix: (soil/water) SOIL Lab Sample ID: 28026.01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: P10857.D

Level: (low/med) LOW Date Received: 12/19/96

Moisture: not dec. 17 dec. Date Extracted: 12/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 01/08/97

Concentrated Extract Volume: 1000(uL)

EPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

108-95-2-----	Phenol	400	U
111-44-4-----	bis(2-Chloroethyl)ether	400	U
95-57-8-----	2-Chlorophenol	400	U
541-73-1-----	1,3-Dichlorobenzene	400	U
106-46-7-----	1,4-Dichlorobenzene	400	U
100-51-6-----	Benzyl alcohol	400	U
95-50-1-----	1,2-Dichlorobenzene	400	U
95-48-7-----	2-Methylphenol	400	U
108-60-1-----	bis(2-Chloroisopropyl)ether	400	U
106-44-5-----	4-Methylphenol	400	U
621-64-7-----	N-Nitroso-di-n-propylamine	400	U
67-72-1-----	Hexachloroethane	400	U
98-95-3-----	Nitrobenzene	400	U
78-59-1-----	Isophorone	400	U
88-75-5-----	2-Nitrophenol	400	U
105-67-9-----	2,4-Dimethylphenol	400	U
65-85-0-----	Benzoic Acid	1900	U
111-91-1-----	bis(2-Chloroethoxy)methane	400	U
120-83-2-----	2,4-Dichlorophenol	400	U
120-82-1-----	1,2,4-Trichlorobenzene	400	U
91-20-3-----	Naphthalene	400	U
106-47-8-----	4-Chloroaniline	400	U
87-68-3-----	Hexachlorobutadiene	400	U
59-50-7-----	4-Chloro-3-methylphenol	400	U
91-57-6-----	2-Methylnaphthalene	400	U
77-47-4-----	Hexachlorocyclopentadiene	400	U
88-06-2-----	2,4,6-Trichlorophenol	400	U
95-95-4-----	2,4,5-Trichlorophenol	1900	U
91-58-7-----	2-Chloronaphthalene	400	U
88-74-4-----	2-Nitroaniline	1900	U
131-11-3-----	Dimethylphthalate	400	U
208-96-8-----	Acenaphthylene	400	U
606-20-2-----	2,6-Dinitrotoluene	400	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB107

b Name: SWL-TULSA

Contract: FT. HOOD

ab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28026

atrix: (soil/water) SOIL

Lab Sample ID: 28026.01

ample wt/vol: 30.0 (g/mL) G

Lab File ID: P10857.D

evel: (low/med) LOW

Date Received: 12/19/96

Moisture: not dec. 17 dec.

Date Extracted: 12/20/96

xtraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 01/08/97

oncentrated Extract Volume: 1000(uL)

PC Cleanup: (Y/N) N

pH: 7.3

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

99-09-2-----	3-Nitroaniline	1900	U
83-32-9-----	Acenaphthene	400	U
121-14-2-----	2,4-Dinitrotoluene	400	U
51-28-5-----	2,4-Dinitrophenol	1900	U
100-02-7-----	4-Nitrophenol	1900	U
132-64-9-----	Dibenzofuran	400	U
84-66-2-----	Diethylphthalate	400	U
7005-72-3-----	4-Chlorophenyl-phenylether	400	U
86-73-7-----	Fluorene	400	U
100-01-6-----	4-Nitroaniline	1900	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1900	U
86-30-6-----	N-Nitrosodiphenylamine (1)	400	U
101-55-3-----	4-Bromophenylphenylether	400	U
118-74-1-----	Hexachlorobenzene	400	U
87-86-5-----	Pentachlorophenol	1900	U
85-01-8-----	Phenanthrene	400	U
120-12-7-----	Anthracene	400	U
84-74-2-----	Di-n-butylphthalate	400	U
206-44-0-----	Fluoranthene	400	U
129-00-0-----	Pyrene	400	U
85-68-7-----	Butylbenzylphthalate	400	U
91-94-1-----	3,3'-Dichlorobenzidine	800	U
56-55-3-----	Benzo(a)anthracene	400	U
218-01-9-----	Chrysene	400	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	400	U
117-84-0-----	Di-n-octylphthalate	400	U
205-99-2-----	Benzo(b)fluoranthene	400	U
207-08-9-----	Benzo(k)fluoranthene	400	U
50-32-8-----	Benzo(a)pyrene	400	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	400	U
53-70-3-----	Dibenz(a,h)anthracene	400	U
191-24-2-----	Benzo(g,h,i)perylene	400	U
110-86-1-----	Pyridine	400	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB107

Sample Name: SWL-TULSA

Contract: FT. HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28026

Matrix: (soil/water) SOIL

Lab Sample ID: 28026.01

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: P10857.D

Level: (low/med) LOW

Date Received: 12/19/96

Moisture: not dec. 17 dec.

Date Extracted: 12/20/96

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 01/08/97

Concentrated Extract Volume: 1000(uL)

PC Cleanup: (Y/N) N

pH: 7.3

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

95-9403-----1,2,4,5-Tetrachlorobenzene	400	U
--	-----	---

03

1

INORGANIC ANALYSES DATA SHEET

Job Name: SOUTHWEST_LAB_OF_OK_____ Contract: SAIC_____
 Job Code: SWOK_____ Case No.: 28026 SAS No.: _____ SDG No.: 28026A
 Matrix (soil/water): SOIL_____ Lab Sample ID: 28026.01_____
 Level (low/med): LOW_____ Date Received: 12/19/96_____
 Solids: 82.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

[illegible]

Color Before: BROWN
Color After: YELLOW

Clarity Before: _____
Clarity After: _____

Texture: MEDIUM
Artifacts:

ents:

CLIENT ID = 10SB107

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB108

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28026

Matrix: (soil/water) SOIL

Lab Sample ID: 28026.02

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I22739.D

Level: (low/med) LOW

Date Received: 12/19/96

% Moisture: not dec. 4

Date Analyzed: 12/20/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.

COMPOUND

74-87-3-----	CHLOROMETHANE	5	U
74-83-9-----	BROMOMETHANE	5	U
75-01-4-----	VINYL CHLORIDE	5	U
75-00-3-----	CHLOROETHANE	5	U
75-09-2-----	METHYLENE CHLORIDE	2	JB
67-64-1-----	ACETONE	15	B
75-35-4-----	1 1-DICHLOROETHENE	5	U
75-34-3-----	1 1-DICHLOROETHANE	5	U
67-66-3-----	CHLOROFORM	5	U
107-06-2-----	1 2-DICHLOROETHANE	5	U
78-93-3-----	2-BUTANONE	5	U
71-55-6-----	1 1 1-TRICHLOROETHANE	5	U
56-23-5-----	CARBON TETRACHLORIDE	5	U
75-27-4-----	BROMODICHLOROMETHANE	5	U
78-87-5-----	1 2-DICHLOROPROPANE	5	U
79-01-6-----	TRICHLOROETHENE	5	U
124-48-1-----	DIBROMOCHLOROMETHANE	5	U
79-00-5-----	1 1 2-TRICHLOROETHANE	5	U
71-43-2-----	BENZENE	5	U
75-25-2-----	BROMOFORM	5	U
108-10-1-----	4-METHYL-2-PENTANONE	5	U
591-78-6-----	2-HEXANONE	5	U
127-18-4-----	TETRACHLOROETHENE	5	U
108-88-3-----	TOLUENE	5	U
79-34-5-----	1 1 2 2-TETRACHLOROETHANE	5	U
108-90-7-----	CHLOROBENZENE	5	U
100-41-4-----	ETHYL BENZENE	5	U
100-42-5-----	STYRENE	5	U
156-59-2-----	cis-1 2-DICHLOROETHENE	5	U
156-60-5-----	trans-1 2-DICHLOROETHENE	5	U
13-302-07-----	m,p-XYLENES	5	U
95-47-6-----	o-XYLENE	5	U
106-93-4-----	1 2-DIBROMOETHANE	5	U
630-20-6-----	1 1 1 2-TETRACHLOROETHANE	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB108

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28026

Matrix: (soil/water) SOIL

Lab Sample ID: 28026.02

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I22739.D

Level: (low/med) LOW

Date Received: 12/19/96

% Moisture: not dec. 4

Date Analyzed: 12/20/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.

COMPOUND

96-18-4-----1 2 3-TRICHLOROPROPANE	5	U
75-71-8-----DICHLORODIFLUOROMETHANE	5	U
75-69-4-----TRICHLOROFLUOROMETHANE	5	U
74-95-3-----DIBROMOMETHANE	5	U
96-12-8-----1 2-DIBROMO-3-CHLOROPROPANE	5	U
108-86-1-----BROMOBENZENE	5	U
104-51-8-----n-BUTYLBENZENE	5	U
98-06-6-----tert-BUTYLBENZENE	5	U
135-98-8-----sec-BUTYLBENZENE	5	U
95-49-8-----2-CHLOROTOLUENE	5	U
106-43-4-----4-CHLOROTOLUENE	5	U
95-50-1-----1 2-DICHLOROBENZENE	5	U
541-73-1-----1 3-DICHLOROBENZENE	5	U
106-46-7-----1 4-DICHLOROBENZENE	5	U
142-28-9-----1 3-DICHLOROPROPANE	5	U
594-20-7-----2 2-DICHLOROPROPANE	5	U
563-58-6-----1 1-DICHLOROPROPENE	5	U
87-68-3-----HEXACHLOROBUTADIENE	5	U
98-82-8-----ISOPROPYLBENZENE	5	U
99-87-6-----p-ISOPROPYLTOLUENE	5	U
91-20-3-----NAPHTHALENE	5	U
103-65-1-----n-PROPYLBENZENE	5	U
87-61-6-----1 2 3-TRICHLOROBENZENE	5	U
120-82-1-----1 2 4-TRICHLOROBENZENE	5	U
95-63-6-----1 2 4-TRIMETHYLBENZENE	5	U
108-67-8-----1 3 5-TRIMETHYLBENZENE	5	U
74-97-5-----BROMOCHLOROMETHANE	5	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB108

Lab Name: SWL-TULSA

Contract: FT. HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28026

Matrix: (soil/water) SOIL

Lab Sample ID: 28026.02

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: P10858.D

Level: (low/med) LOW

Date Received: 12/19/96

Moisture: not dec. 4 dec.

Date Extracted: 12/20/96

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 01/09/97

Concentrated Extract Volume: 1000(uL)

PC Cleanup: (Y/N) N

pH: 8.9

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

108-95-2-----	Phenol	340	U
111-44-4-----	bis(2-Chloroethyl)ether	340	U
95-57-8-----	2-Chlorophenol	340	U
541-73-1-----	1,3-Dichlorobenzene	340	U
106-46-7-----	1,4-Dichlorobenzene	340	U
100-51-6-----	Benzyl alcohol	340	U
95-50-1-----	1,2-Dichlorobenzene	340	U
95-48-7-----	2-Methylphenol	340	U
108-60-1-----	bis(2-Chloroisopropyl)ether	340	U
106-44-5-----	4-Methylphenol	340	U
621-64-7-----	N-Nitroso-di-n-propylamine	340	U
67-72-1-----	Hexachloroethane	340	U
98-95-3-----	Nitrobenzene	340	U
78-59-1-----	Isophorone	340	U
88-75-5-----	2-Nitrophenol	340	U
105-67-9-----	2,4-Dimethylphenol	340	U
65-85-0-----	Benzoic Acid	1700	U
111-91-1-----	bis(2-Chloroethoxy)methane	340	U
120-83-2-----	2,4-Dichlorophenol	340	U
120-82-1-----	1,2,4-Trichlorobenzene	340	U
91-20-3-----	Naphthalene	340	U
106-47-8-----	4-Chloroaniline	340	U
87-68-3-----	Hexachlorobutadiene	340	U
59-50-7-----	4-Chloro-3-methylphenol	340	U
91-57-6-----	2-Methylnaphthalene	340	U
77-47-4-----	Hexachlorocyclopentadiene	340	U
88-06-2-----	2,4,6-Trichlorophenol	340	U
95-95-4-----	2,4,5-Trichlorophenol	1700	U
91-58-7-----	2-Chloronaphthalene	340	U
88-74-4-----	2-Nitroaniline	1700	U
131-11-3-----	Dimethylphthalate	340	U
208-96-8-----	Acenaphthylene	340	U
606-20-2-----	2,6-Dinitrotoluene	340	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB108

b Name: SWL-TULSA

Contract: FT. HOOD

ab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28026

atrix: (soil/water) SOIL

Lab Sample ID: 28026.02

ample wt/vol: 30.0 (g/mL) G

Lab File ID: P10858.D

evel: (low/med) LOW

Date Received: 12/19/96

Moisture: not dec. 4 dec.

Date Extracted: 12/20/96

xtraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 01/09/97

oncentrated Extract Volume: 1000(uL)

PC Cleanup: (Y/N) N

pH: 8.9

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

99-09-2-----	3-Nitroaniline	1700	U
83-32-9-----	Acenaphthene	340	U
121-14-2-----	2,4-Dinitrotoluene	340	U
51-28-5-----	2,4-Dinitrophenol	1700	U
100-02-7-----	4-Nitrophenol	1700	U
132-64-9-----	Dibenzofuran	340	U
84-66-2-----	Diethylphthalate	340	U
7005-72-3-----	4-Chlorophenyl-phenylether	340	U
86-73-7-----	Fluorene	340	U
100-01-6-----	4-Nitroaniline	1700	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1700	U
86-30-6-----	N-Nitrosodiphenylamine (1)	340	U
101-55-3-----	4-Bromophenylphenylether	340	U
118-74-1-----	Hexachlorobenzene	340	U
87-86-5-----	Pentachlorophenol	1700	U
85-01-8-----	Phenanthrene	340	U
120-12-7-----	Anthracene	340	U
84-74-2-----	Di-n-butylphthalate	340	U
206-44-0-----	Fluoranthene	340	U
129-00-0-----	Pyrene	340	U
85-68-7-----	Butylbenzylphthalate	340	U
91-94-1-----	3,3'-Dichlorobenzidine	690	U
56-55-3-----	Benzo(a)anthracene	340	U
218-01-9-----	Chrysene	340	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	38	J
117-84-0-----	Di-n-octylphthalate	340	U
205-99-2-----	Benzo(b)fluoranthene	340	U
207-08-9-----	Benzo(k)fluoranthene	340	U
50-32-8-----	Benzo(a)pyrene	340	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	340	U
53-70-3-----	Dibenz(a,h)anthracene	340	U
191-24-2-----	Benzo(g,h,i)perylene	340	U
110-86-1-----	Pyridine	340	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB108

Lab Name: SWL-TULSA

Contract: FT. HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28026

Matrix: (soil/water) SOIL

Lab Sample ID: 28026.02

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: P10858.D

Level: (low/med) LOW

Date Received: 12/19/96

Moisture: not dec. 4 dec.

Date Extracted: 12/20/96

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 01/09/97

Concentrated Extract Volume: 1000(uL)

PC Cleanup: (Y/N) N

pH: 8.9

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
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95-9403-----1,2,4,5-Tetrachlorobenzene__	340	U
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04

1
INORGANIC ANALYSES DATA SHEET

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Name: SOUTHWEST_LAB_OF_OK_____ Contract: SAIC_____
Code: SWOK_____ Case No.: 28026 SAS No.: _____ SDG No.: 28026A
Matrix (soil/water): SOIL_____ Lab Sample ID: 28026.02_____
Vel (low/med): LOW_____ Date Received: 12/19/96_____
Solids: 96.5_____

```

Concentration Units (ug/L or mg/kg dry weight): MG/KG

[illegible]

Color Before: BROWN _____ Clarity Before: _____ Texture: MEDIUM
Color After: YELLOW _____ Clarity After: _____ Artifacts: _____

ents:

CLIENT ID = 10SB108

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB109

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28026

Matrix: (soil/water) SOIL

Lab Sample ID: 28026.03

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I22740.D

Level: (low/med) LOW

Date Received: 12/19/96

Moisture: not dec. 7

Date Analyzed: 12/20/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

74-87-3-----	CHLOROMETHANE	5	U
74-83-9-----	BROMOMETHANE	5	U
75-01-4-----	VINYL CHLORIDE	5	U
75-00-3-----	CHLOROETHANE	5	U
75-09-2-----	METHYLENE CHLORIDE	2	JB
67-64-1-----	ACETONE	43	B
75-35-4-----	1 1-DICHLOROETHENE	5	U
75-34-3-----	1 1-DICHLOROETHANE	5	U
67-66-3-----	CHLOROFORM	5	U
107-06-2-----	1 2-DICHLOROETHANE	5	U
78-93-3-----	2-BUTANONE	5	U
71-55-6-----	1 1 1-TRICHLOROETHANE	5	U
56-23-5-----	CARBON TETRACHLORIDE	5	U
75-27-4-----	BROMODICHLOROMETHANE	5	U
78-87-5-----	1 2-DICHLOROPROPANE	5	U
79-01-6-----	TRICHLOROETHENE	4	J
124-48-1-----	DIBROMOCHLOROMETHANE	5	U
79-00-5-----	1 1 2-TRICHLOROETHANE	5	U
71-43-2-----	BENZENE	5	U
75-25-2-----	BROMOFORM	5	U
108-10-1-----	4-METHYL-2-PENTANONE	5	U
591-78-6-----	2-HEXANONE	5	U
127-18-4-----	TETRACHLOROETHENE	5	U
108-88-3-----	TOLUENE	26	
79-34-5-----	1 1 2 2-TETRACHLOROETHANE	5	U
108-90-7-----	CHLOROBENZENE	5	U
100-41-4-----	ETHYL BENZENE	5	U
100-42-5-----	STYRENE	5	U
156-59-2-----	cis-1 2-DICHLOROETHENE	5	U
156-60-5-----	trans-1 2-DICHLOROETHENE	5	U
13-302-07-----	m,p-XYLENES	5	U
95-47-6-----	o-XYLENE	5	U
106-93-4-----	1 2-DIBROMOETHANE	5	U
630-20-6-----	1 1 1 2-TETRACHLOROETHANE	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB109

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28026

Matrix: (soil/water) SOIL

Lab Sample ID: 28026.03

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I22740.D

Level: (low/med) LOW

Date Received: 12/19/96

Moisture: not dec. 7

Date Analyzed: 12/20/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

96-18-4-----1 2 3-TRICHLOROPROPANE	5	U
75-71-8-----DICHLORODIFLUOROMETHANE	5	U
75-69-4-----TRICHLOROFLUOROMETHANE	5	U
74-95-3-----DIBROMOMETHANE	5	U
96-12-8-----1 2-DIBROMO-3-CHLOROPROPANE	5	U
108-86-1-----BROMOBENZENE	5	U
104-51-8-----n-BUTYLBENZENE	5	U
98-06-6-----tert-BUTYLBENZENE	5	U
135-98-8-----sec-BUTYLBENZENE	5	U
95-49-8-----2-CHLOROTOLUENE	5	U
106-43-4-----4-CHLOROTOLUENE	5	U
95-50-1-----1 2-DICHLOROBENZENE	5	U
541-73-1-----1 3-DICHLOROBENZENE	5	U
106-46-7-----1 4-DICHLOROBENZENE	5	U
142-28-9-----1 3-DICHLOROPROPANE	5	U
594-20-7-----2 2-DICHLOROPROPANE	5	U
563-58-6-----1 1-DICHLOROPROPENE	5	U
87-68-3-----HEXACHLOROBUTADIENE	5	U
98-82-8-----ISOPROPYLBENZENE	5	U
99-87-6-----p-ISOPROPYLTOLUENE	5	U
91-20-3-----NAPHTHALENE	5	U
103-65-1-----n-PROPYLBENZENE	5	U
87-61-6-----1 2 3-TRICHLOROBENZENE	5	U
120-82-1-----1 2 4-TRICHLOROBENZENE	5	U
95-63-6-----1 2 4-TRIMETHYLBENZENE	5	U
108-67-8-----1 3 5-TRIMETHYLBENZENE	5	U
74-97-5-----BROMOCHLOROMETHANE	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB109RE

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28026

Matrix: (soil/water) SOIL

Lab Sample ID: 28026.03RA

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I22753.D

Level: (low/med) LOW

Date Received: 12/19/96

% Moisture: not dec. 7

Date Analyzed: 12/27/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.

COMPOUND

74-87-3-----	CHLOROMETHANE	5	U
74-83-9-----	BROMOMETHANE	5	U
75-01-4-----	VINYL CHLORIDE	5	U
75-00-3-----	CHLOROETHANE	5	U
75-09-2-----	METHYLENE CHLORIDE	11	
67-64-1-----	ACETONE	25	
75-35-4-----	1 1-DICHLOROETHENE	5	U
75-34-3-----	1 1-DICHLOROETHANE	5	U
67-66-3-----	CHLOROFORM	5	U
107-06-2-----	1 2-DICHLOROETHANE	5	U
78-93-3-----	2-BUTANONE	5	U
71-55-6-----	1 1-TRICHLOROETHANE	5	U
56-23-5-----	CARBON TETRACHLORIDE	5	U
75-27-4-----	BROMODICHLOROMETHANE	5	U
78-87-5-----	1 2-DICHLOROPROPANE	5	U
79-01-6-----	TRICHLOROETHENE	5	U
124-48-1-----	DIBROMOCHLOROMETHANE	5	U
79-00-5-----	1 1 2-TRICHLOROETHANE	5	U
71-43-2-----	BENZENE	5	U
75-25-2-----	BROMOFORM	5	U
108-10-1-----	4-METHYL-2-PENTANONE	5	U
591-78-6-----	2-HEXANONE	5	U
127-18-4-----	TETRACHLOROETHENE	5	U
108-88-3-----	TOLUENE	5	U
79-34-5-----	1 1 2 2-TETRACHLOROETHANE	5	U
108-90-7-----	CHLOROBENZENE	5	U
100-41-4-----	ETHYL BENZENE	5	U
100-42-5-----	STYRENE	5	U
156-59-2-----	cis-1 2-DICHLOROETHENE	5	U
156-60-5-----	trans-1 2-DICHLOROETHENE	5	U
13-302-07-----	m,p-XYLENES	5	U
95-47-6-----	o-XYLENE	5	U
106-93-4-----	1 2-DIBROMOETHANE	5	U
630-20-6-----	1 1 1 2-TETRACHLOROETHANE	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB109RE

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28026

Matrix: (soil/water) SOIL

Lab Sample ID: 28026.03RA

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I22753.D

Level: (low/med) LOW

Date Received: 12/19/96

Moisture: not dec. 7

Date Analyzed: 12/27/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.

COMPOUND

96-18-4-----1 2 3-TRICHLOROPROPANE	5	U
75-71-8-----DICHLORODIFLUOROMETHANE	5	U
75-69-4-----TRICHLOROFLUOROMETHANE	5	U
74-95-3-----DIBROMOMETHANE	5	U
96-12-8-----1 2-DIBROMO-3-CHLOROPROPANE	5	U
108-86-1-----BROMOBENZENE	5	U
104-51-8-----n-BUTYLBENZENE	5	U
98-06-6-----tert-BUTYLBENZENE	5	U
135-98-8-----sec-BUTYLBENZENE	5	U
95-49-8-----2-CHLOROTOLUENE	5	U
106-43-4-----4-CHLOROTOLUENE	5	U
95-50-1-----1 2-DICHLOROBENZENE	5	U
541-73-1-----1 3-DICHLOROBENZENE	5	U
106-46-7-----1 4-DICHLOROBENZENE	5	U
142-28-9-----1 3-DICHLOROPROPANE	5	U
594-20-7-----2 2-DICHLOROPROPANE	5	U
563-58-6-----1 1-DICHLOROPROPENE	5	U
87-68-3-----HEXACHLOROBUTADIENE	5	U
98-82-8-----ISOPROPYLBENZENE	5	U
99-87-6-----p-ISOPROPYLTOLUENE	5	U
91-20-3-----NAPHTHALENE	5	U
103-65-1-----n-PROPYLBENZENE	5	U
87-61-6-----1 2 3-TRICHLOROBENZENE	5	U
120-82-1-----1 2 4-TRICHLOROBENZENE	5	U
95-63-6-----1 2 4-TRIMETHYLBENZENE	5	U
108-67-8-----1 3 5-TRIMETHYLBENZENE	5	U
74-97-5-----BROMOCHLOROMETHANE	5	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB109

Lab Name: SWL-TULSA

Contract: FT. HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28026

Matrix: (soil/water) SOIL

Lab Sample ID: 28026.03

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: P10859.D

Level: (low/med) LOW

Date Received: 12/19/96

Moisture: not dec. 7 dec.

Date Extracted: 12/20/96

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 01/09/97

Concentrated Extract Volume: 1000(uL)

PC Cleanup: (Y/N) N

pH: 8.0

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	350	U
111-44-4-----	bis(2-Chloroethyl) ether	350	U
95-57-8-----	2-Chlorophenol	350	U
541-73-1-----	1,3-Dichlorobenzene	350	U
106-46-7-----	1,4-Dichlorobenzene	350	U
100-51-6-----	Benzyl alcohol	350	U
95-50-1-----	1,2-Dichlorobenzene	350	U
95-48-7-----	2-Methylphenol	350	U
108-60-1-----	bis(2-Chloroisopropyl) ether	350	U
106-44-5-----	4-Methylphenol	350	U
621-64-7-----	N-Nitroso-di-n-propylamine	350	U
67-72-1-----	Hexachloroethane	350	U
98-95-3-----	Nitrobenzene	350	U
78-59-1-----	Isophorone	350	U
88-75-5-----	2-Nitrophenol	350	U
105-67-9-----	2,4-Dimethylphenol	350	U
65-85-0-----	Benzoic Acid	1700	U
111-91-1-----	bis(2-Chloroethoxy) methane	350	U
120-83-2-----	2,4-Dichlorophenol	350	U
120-82-1-----	1,2,4-Trichlorobenzene	350	U
91-20-3-----	Naphthalene	350	U
106-47-8-----	4-Chloroaniline	350	U
87-68-3-----	Hexachlorobutadiene	350	U
59-50-7-----	4-Chloro-3-methylphenol	350	U
91-57-6-----	2-Methylnaphthalene	350	U
77-47-4-----	Hexachlorocyclopentadiene	350	U
88-06-2-----	2,4,6-Trichlorophenol	350	U
95-95-4-----	2,4,5-Trichlorophenol	1700	U
91-58-7-----	2-Chloronaphthalene	350	U
88-74-4-----	2-Nitroaniline	1700	U
131-11-3-----	Dimethylphthalate	350	U
208-96-8-----	Acenaphthylene	350	U
606-20-2-----	2,6-Dinitrotoluene	350	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB109

Lab Name: SWL-TULSA Contract: FT. HOOD
Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28026
Matrix: (soil/water) SOIL Lab Sample ID: 28026.03
Sample wt/vol: 30.0 (g/mL) G Lab File ID: P10859.D
Level: (low/med) LOW Date Received: 12/19/96
Moisture: not dec. 7 dec. Date Extracted: 12/20/96
Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 01/09/97
Concentrated Extract Volume: 1000(uL)
EPC Cleanup: (Y/N) N pH: 8.0 Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO. COMPOUND Q

99-09-2-----	3-Nitroaniline	1700	U
83-32-9-----	Acenaphthene	350	U
121-14-2-----	2,4-Dinitrotoluene	350	U
51-28-5-----	2,4-Dinitrophenol	1700	U
100-02-7-----	4-Nitrophenol	1700	U
132-64-9-----	Dibenzofuran	350	U
84-66-2-----	Diethylphthalate	350	U
7005-72-3-----	4-Chlorophenyl-phenylether	350	U
86-73-7-----	Fluorene	350	U
100-01-6-----	4-Nitroaniline	1700	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1700	U
86-30-6-----	N-Nitrosodiphenylamine (1)	350	U
101-55-3-----	4-Bromophenylphenylether	350	U
118-74-1-----	Hexachlorobenzene	350	U
87-86-5-----	Pentachlorophenol	1700	U
85-01-8-----	Phenanthrene	350	U
120-12-7-----	Anthracene	350	U
84-74-2-----	Di-n-butylphthalate	350	U
206-44-0-----	Fluoranthene	350	U
129-00-0-----	Pyrene	350	U
85-68-7-----	Butylbenzylphthalate	350	U
91-94-1-----	3,3'-Dichlorobenzidine	710	U
56-55-3-----	Benzo(a)anthracene	350	U
218-01-9-----	Chrysene	350	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	350	U
117-84-0-----	Di-n-octylphthalate	350	U
205-99-2-----	Benzo(b)fluoranthene	350	U
207-08-9-----	Benzo(k)fluoranthene	350	U
50-32-8-----	Benzo(a)pyrene	350	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	350	U
53-70-3-----	Dibenz(a,h)anthracene	350	U
191-24-2-----	Benzo(g,h,i)perylene	350	U
110-86-1-----	Pyridine	350	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB109

b Name: SWL-TULSA Contract: FT. HOOD

ab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28026

atrix: (soil/water) SOIL Lab Sample ID: 28026.03

ample wt/vol: 30.0 (g/mL) G Lab File ID: P10859.D

evel: (low/med) LOW Date Received: 12/19/96

Moisture: not dec. 7 dec. Date Extracted: 12/20/96

xtraction: (SepF/Cont/Sonc) SONC Date Analyzed: 01/09/97

oncentrated Extract Volume: 1000(uL)

PC Cleanup: (Y/N) N pH: 8.0 Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

95-9403-----1,2,4,5-Tetrachlorobenzene	350	U
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05

EPA SAMPLE NO.

02603

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b Name: SOUTHWEST_LAB_OF_OK_____ Contract: SAIC_____
b Code: SWOK_____ Case No.: 28026 SAS No.: _____ SDG No.: 28026A
trix (soil/water): SOIL_____ Lab Sample ID: 28026.03_____
vel (low/med): LOW_____ Date Received: 12/19/96_____
Solids: 93.0

```

Concentration Units (ug/L or mg/kg dry weight): MG/KG

[illegible]

Color Before: BROWN_____ Clarity Before: _____ Texture: MEDIUM
Color After: YELLOW_____ Clarity After: _____ Artifacts: _____

ents:

CLIENT ID = 10SB109

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FHSB201

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28026

Matrix: (soil/water) SOIL

Lab Sample ID: 28026.04

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I22741.D

Level: (low/med) LOW

Date Received: 12/19/96

% Moisture: not dec. 18

Date Analyzed: 12/20/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.

COMPOUND

74-87-3-----	CHLOROMETHANE	6	U
74-83-9-----	BROMOMETHANE	6	U
75-01-4-----	VINYL CHLORIDE	6	U
75-00-3-----	CHLOROETHANE	6	U
75-09-2-----	METHYLENE CHLORIDE	3	JB
67-64-1-----	ACETONE	17	B
75-35-4-----	1 1-DICHLOROETHENE	6	U
75-34-3-----	1 1-DICHLOROETHANE	6	U
67-66-3-----	CHLOROFORM	6	U
107-06-2-----	1 2-DICHLOROETHANE	6	U
78-93-3-----	2-BUTANONE	6	U
71-55-6-----	1 1-TRICHLOROETHANE	6	U
56-23-5-----	CARBON TETRACHLORIDE	6	U
75-27-4-----	BROMODICHLOROMETHANE	6	U
78-87-5-----	1 2-DICHLOROPROPANE	6	U
79-01-6-----	TRICHLOROETHENE	6	U
124-48-1-----	DIBROMOCHLOROMETHANE	6	U
79-00-5-----	1 1 2-TRICHLOROETHANE	6	U
71-43-2-----	BENZENE	6	U
75-25-2-----	BROMOFORM	6	U
108-10-1-----	4-METHYL-2-PENTANONE	6	U
591-78-6-----	2-HEXANONE	6	U
127-18-4-----	TETRACHLOROETHENE	6	U
108-88-3-----	TOLUENE	4	J
79-34-5-----	1 1 2 2-TETRACHLOROETHANE	6	U
108-90-7-----	CHLOROBENZENE	6	U
100-41-4-----	ETHYL BENZENE	6	U
100-42-5-----	STYRENE	6	U
156-59-2-----	cis-1 2-DICHLOROETHENE	6	U
156-60-5-----	trans-1 2-DICHLOROETHENE	6	U
13-302-07-----	m,p-XYLENES	6	U
95-47-6-----	o-XYLENE	6	U
106-93-4-----	1 2-DIBROMOETHANE	6	U
630-20-6-----	1 1 1 2-TETRACHLOROETHANE	6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FHSB201

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28026

Matrix: (soil/water) SOIL

Lab Sample ID: 28026.04

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I22741.D

Level: (low/med) LOW

Date Received: 12/19/96

Moisture: not dec. 18

Date Analyzed: 12/20/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

96-18-4-----1 2 3-TRICHLOROPROPANE	6	U
75-71-8-----DICHLORODIFLUOROMETHANE	6	U
75-69-4-----TRICHLOROFLUOROMETHANE	6	U
74-95-3-----DIBROMOMETHANE	6	U
96-12-8-----1 2-DIBROMO-3-CHLOROPROPANE	6	U
108-86-1-----BROMOBENZENE	6	U
104-51-8-----n-BUTYLBENZENE	6	U
98-06-6-----tert-BUTYLBENZENE	6	U
135-98-8-----sec-BUTYLBENZENE	6	U
95-49-8-----2-CHLOROTOLUENE	6	U
106-43-4-----4-CHLOROTOLUENE	6	U
95-50-1-----1 2-DICHLOROBENZENE	6	U
541-73-1-----1 3-DICHLOROBENZENE	6	U
106-46-7-----1 4-DICHLOROBENZENE	6	U
142-28-9-----1 3-DICHLOROPROPANE	6	U
594-20-7-----2 2-DICHLOROPROPANE	6	U
563-58-6-----1 1-DICHLOROPROPENE	6	U
87-68-3-----HEXACHLOROBUTADIENE	6	U
98-82-8-----ISOPROPYLBENZENE	6	U
99-87-6-----p-ISOPROPYLTOLUENE	6	U
91-20-3-----NAPHTHALENE	6	U
103-65-1-----n-PROPYLBENZENE	6	U
87-61-6-----1 2 3-TRICHLOROBENZENE	6	U
120-82-1-----1 2 4-TRICHLOROBENZENE	6	U
95-63-6-----1 2 4-TRIMETHYLBENZENE	6	U
108-67-8-----1 3 5-TRIMETHYLBENZENE	6	U
74-97-5-----BROMOCHLOROMETHANE	6	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FHSB201

b Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28026

Matrix: (soil/water) SOIL Lab Sample ID: 28026.04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: P10860.D

Level: (low/med) LOW Date Received: 12/19/96

Moisture: not dec. 18 dec. Date Extracted: 12/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 01/09/97

Concentrated Extract Volume: 1000(uL)

PC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

CAS NO.

COMPOUND

108-95-2-----	Phenol	400	U
111-44-4-----	bis(2-Chloroethyl) ether	400	U
95-57-8-----	2-Chlorophenol	400	U
541-73-1-----	1,3-Dichlorobenzene	400	U
106-46-7-----	1,4-Dichlorobenzene	400	U
100-51-6-----	Benzyl alcohol	400	U
95-50-1-----	1,2-Dichlorobenzene	400	U
95-48-7-----	2-Methylphenol	400	U
108-60-1-----	bis(2-Chloroisopropyl) ether	400	U
106-44-5-----	4-Methylphenol	400	U
621-64-7-----	N-Nitroso-di-n-propylamine	400	U
67-72-1-----	Hexachloroethane	400	U
98-95-3-----	Nitrobenzene	400	U
78-59-1-----	Isophorone	400	U
88-75-5-----	2-Nitrophenol	400	U
105-67-9-----	2,4-Dimethylphenol	400	U
65-85-0-----	Benzoic Acid	2000	U
111-91-1-----	bis(2-Chloroethoxy) methane	400	U
120-83-2-----	2,4-Dichlorophenol	400	U
120-82-1-----	1,2,4-Trichlorobenzene	400	U
91-20-3-----	Naphthalene	400	U
106-47-8-----	4-Chloroaniline	400	U
87-68-3-----	Hexachlorobutadiene	400	U
59-50-7-----	4-Chloro-3-methylphenol	400	U
91-57-6-----	2-Methylnaphthalene	400	U
77-47-4-----	Hexachlorocyclopentadiene	400	U
88-06-2-----	2,4,6-Trichlorophenol	400	U
95-95-4-----	2,4,5-Trichlorophenol	2000	U
91-58-7-----	2-Chloronaphthalene	400	U
88-74-4-----	2-Nitroaniline	2000	U
131-11-3-----	Dimethylphthalate	400	U
208-96-8-----	Acenaphthylene	400	U
606-20-2-----	2,6-Dinitrotoluene	400	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FHSB201

b Name: SWL-TULSA Contract: FT. HOOD

ab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28026

atrix: (soil/water) SOIL Lab Sample ID: 28026.04

ample wt/vol: 30.0 (g/mL) G Lab File ID: P10860.D

evel: (low/med) LOW Date Received: 12/19/96

Moisture: not dec. 18 dec. Date Extracted: 12/20/96

xtraction: (SepF/Cont/Sonc) SONC Date Analyzed: 01/09/97

oncentrated Extract Volume: 1000(uL)

PC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2-----	3-Nitroaniline	2000	U
83-32-9-----	Acenaphthene	400	U
121-14-2-----	2,4-Dinitrotoluene	400	U
51-28-5-----	2,4-Dinitrophenol	2000	U
100-02-7-----	4-Nitrophenol	2000	U
132-64-9-----	Dibenzofuran	400	U
84-66-2-----	Diethylphthalate	400	U
7005-72-3-----	4-Chlorophenyl-phenylether	400	U
86-73-7-----	Fluorene	400	U
100-01-6-----	4-Nitroaniline	2000	U
534-52-1-----	4,6-Dinitro-2-methylphenol	2000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	400	U
101-55-3-----	4-Bromophenylphenylether	400	U
118-74-1-----	Hexachlorobenzene	400	U
87-86-5-----	Pentachlorophenol	2000	U
85-01-8-----	Phenanthrene	400	U
120-12-7-----	Anthracene	400	U
84-74-2-----	Di-n-butylphthalate	400	U
206-44-0-----	Fluoranthene	400	U
129-00-0-----	Pyrene	400	U
85-68-7-----	Butylbenzylphthalate	400	U
91-94-1-----	3,3'-Dichlorobenzidine	800	U
56-55-3-----	Benzo(a)anthracene	400	U
218-01-9-----	Chrysene	400	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	400	U
117-84-0-----	Di-n-octylphthalate	400	U
205-99-2-----	Benzo(b)fluoranthene	400	U
207-08-9-----	Benzo(k)fluoranthene	400	U
50-32-8-----	Benzo(a)pyrene	400	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	400	U
53-70-3-----	Dibenz(a,h)anthracene	400	U
191-24-2-----	Benzo(g,h,i)perylene	400	U
110-86-1-----	Pyridine	400	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FHSB201

Lab Name: SWL-TULSA

Contract: FT. HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28026

Matrix: (soil/water) SOIL

Lab Sample ID: 28026.04

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: P10860.D

Level: (low/med) LOW

Date Received: 12/19/96

Moisture: not dec. 18 dec.

Date Extracted: 12/20/96

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 01/09/97

Concentrated Extract Volume: 1000(uL)

PC Cleanup: (Y/N) N

pH: 7.7

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

95-9403-----1,2,4,5-Tetrachlorobenzene	400	U
--	-----	---

06

1
INORGANIC ANALYSES DATA SHEET

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b Name: SOUTHWEST_LAB_OF_OK_____ Contract: SAIC_____
b Code: SWOK_____ Case No.: 28026 SAS No.: _____ SDG No.: 28026A
Matrix (soil/water): SOIL_____ Lab Sample ID: 28026.04_____
Level (low/med): LOW_____ Date Received: 12/19/96_____
Solids: 82.5

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[illegible]

Color Before: BROWN Clarity Before: Texture: MEDIUM
Color After: YELLOW Clarity After: Artifacts:

ents:

CLIENT ID = FHSB201

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB110

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) SOIL

Lab Sample ID: 28055.07

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I22767.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 21

Date Analyzed: 12/30/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.

COMPOUND

74-87-3-----	CHLOROMETHANE	6	U
74-83-9-----	BROMOMETHANE	6	U
75-01-4-----	VINYL CHLORIDE	6	U
75-00-3-----	CHLOROETHANE	6	U
75-09-2-----	METHYLENE CHLORIDE	3	J
67-64-1-----	ACETONE	13	
75-35-4-----	1 1-DICHLOROETHENE	6	U
75-34-3-----	1 1-DICHLOROETHANE	6	U
67-66-3-----	CHLOROFORM	6	U
107-06-2-----	1 2-DICHLOROETHANE	6	U
78-93-3-----	2-BUTANONE	6	U
71-55-6-----	1 1 1-TRICHLOROETHANE	6	U
56-23-5-----	CARBON TETRACHLORIDE	6	U
75-27-4-----	BROMODICHLOROMETHANE	6	U
78-87-5-----	1 2-DICHLOROPROPANE	6	U
79-01-6-----	TRICHLOROETHENE	6	U
124-48-1-----	DIBROMOCHLOROMETHANE	6	U
79-00-5-----	1 1 2-TRICHLOROETHANE	6	U
71-43-2-----	BENZENE	6	U
75-25-2-----	BROMOFORM	6	U
108-10-1-----	4-METHYL-2-PENTANONE	6	U
591-78-6-----	2-HEXANONE	6	U
127-18-4-----	TETRACHLOROETHENE	6	U
108-88-3-----	TOLUENE	6	U
79-34-5-----	1 1 2 2-TETRACHLOROETHANE	6	U
108-90-7-----	CHLOROBENZENE	6	U
100-41-4-----	ETHYL BENZENE	6	U
100-42-5-----	STYRENE	6	U
156-59-2-----	cis-1 2-DICHLOROETHENE	6	U
156-60-5-----	trans-1 2-DICHLOROETHENE	6	U
13-302-07-----	m,p-XYLENES	6	U
95-47-6-----	o-XYLENE	6	U
106-93-4-----	1 2-DIBROMOETHANE	6	U
630-20-6-----	1 1 1 2-TETRACHLOROETHANE	6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB110

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) SOIL

Lab Sample ID: 28055.07

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I22767.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 21

Date Analyzed: 12/30/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND		
96-18-4-----1	2 3-TRICHLOROPROPANE	6	U
75-71-8-----	DICHLORODIFLUOROMETHANE	6	U
75-69-4-----	TRICHLOROFLUOROMETHANE	6	U
74-95-3-----	DIBROMOMETHANE	6	U
96-12-8-----1	2-DIBROMO-3-CHLOROPROPANE	6	U
108-86-1-----	BROMOBENZENE	6	U
104-51-8-----	n-BUTYLBENZENE	6	U
98-06-6-----	tert-BUTYLBENZENE	6	U
135-98-8-----	sec-BUTYLBENZENE	6	U
95-49-8-----	2-CHLOROTOLUENE	6	U
106-43-4-----	4-CHLOROTOLUENE	6	U
95-50-1-----1	2-DICHLOROBENZENE	6	U
541-73-1-----1	3-DICHLOROBENZENE	6	U
106-46-7-----1	4-DICHLOROBENZENE	6	U
142-28-9-----1	3-DICHLOROPROPANE	6	U
594-20-7-----2	2-DICHLOROPROPANE	6	U
563-58-6-----1	1-DICHLOROPROPENE	6	U
87-68-3-----	HEXACHLOROBUTADIENE	6	U
98-82-8-----	ISOPROPYLBENZENE	6	U
99-87-6-----	p-ISOPROPYLTOLUENE	6	U
91-20-3-----	NAPHTHALENE	6	U
103-65-1-----	n-PROPYLBENZENE	6	U
87-61-6-----1	2 3-TRICHLOROBENZENE	6	U
120-82-1-----1	2 4-TRICHLOROBENZENE	6	U
95-63-6-----1	2 4-TRIMETHYLBENZENE	6	U
108-67-8-----1	3 5-TRIMETHYLBENZENE	6	U
74-97-5-----	BROMOCHLOROMETHANE	6	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB110

Lab Name: SWL-TULSA

Contract: FT. HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) SOIL

Lab Sample ID: 28055.07

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: FFK868.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 21 dec.

Date Extracted: 12/22/96

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 01/08/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 9.0

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

108-95-2-----	Phenol	420	U
111-44-4-----	bis(2-Chloroethyl)ether	420	U
95-57-8-----	2-Chlorophenol	420	U
541-73-1-----	1,3-Dichlorobenzene	420	U
106-46-7-----	1,4-Dichlorobenzene	420	U
100-51-6-----	Benzyl alcohol	420	U
95-50-1-----	1,2-Dichlorobenzene	420	U
95-48-7-----	2-Methylphenol	420	U
108-60-1-----	bis(2-Chloroisopropyl)ether	420	U
106-44-5-----	4-Methylphenol	420	U
621-64-7-----	N-Nitroso-di-n-propylamine	420	U
67-72-1-----	Hexachloroethane	420	U
98-95-3-----	Nitrobenzene	420	U
78-59-1-----	Isophorone	420	U
88-75-5-----	2-Nitrophenol	420	U
105-67-9-----	2,4-Dimethylphenol	420	U
65-85-0-----	Benzoic Acid	2000	U
111-91-1-----	bis(2-Chloroethoxy)methane	420	U
120-83-2-----	2,4-Dichlorophenol	420	U
120-82-1-----	1,2,4-Trichlorobenzene	420	U
91-20-3-----	Naphthalene	420	U
106-47-8-----	4-Chloroaniline	420	U
87-68-3-----	Hexachlorobutadiene	420	U
59-50-7-----	4-Chloro-3-methylphenol	420	U
91-57-6-----	2-Methylnaphthalene	420	U
77-47-4-----	Hexachlorocyclopentadiene	420	U
88-06-2-----	2,4,6-Trichlorophenol	420	U
95-95-4-----	2,4,5-Trichlorophenol	2000	U
91-58-7-----	2-Chloronaphthalene	420	U
88-74-4-----	2-Nitroaniline	2000	U
131-11-3-----	Dimethylphthalate	420	U
208-96-8-----	Acenaphthylene	420	U
606-20-2-----	2,6-Dinitrotoluene	420	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB110

Lab Name: SWL-TULSA

Contract: FT. HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) SOIL

Lab Sample ID: 28055.07

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: FFK868.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 21 dec.

Date Extracted: 12/22/96

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 01/08/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 9.0

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

99-09-2-----	3-Nitroaniline	2000	U
83-32-9-----	Acenaphthene	420	U
121-14-2-----	2,4-Dinitrotoluene	420	U
51-28-5-----	2,4-Dinitrophenol	2000	U
100-02-7-----	4-Nitrophenol	2000	U
132-64-9-----	Dibenzofuran	420	U
84-66-2-----	Diethylphthalate	420	U
7005-72-3-----	4-Chlorophenyl-phenylether	420	U
86-73-7-----	Fluorene	420	U
100-01-6-----	4-Nitroaniline	2000	U
534-52-1-----	4,6-Dinitro-2-methylphenol	2000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	420	U
101-55-3-----	4-Bromophenylphenylether	420	U
118-74-1-----	Hexachlorobenzene	420	U
87-86-5-----	Pentachlorophenol	2000	U
85-01-8-----	Phenanthrene	420	U
120-12-7-----	Anthracene	420	U
84-74-2-----	Di-n-butylphthalate	420	U
206-44-0-----	Fluoranthene	420	U
129-00-0-----	Pyrene	420	U
85-68-7-----	Butylbenzylphthalate	420	U
91-94-1-----	3,3'-Dichlorobenzidine	840	U
56-55-3-----	Benzo(a)anthracene	420	U
218-01-9-----	Chrysene	420	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	420	U
117-84-0-----	Di-n-octylphthalate	420	U
205-99-2-----	Benzo(b)fluoranthene	420	U
207-08-9-----	Benzo(k)fluoranthene	420	U
50-32-8-----	Benzo(a)pyrene	420	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	420	U
53-70-3-----	Dibenz(a,h)anthracene	420	U
191-24-2-----	Benzo(g,h,i)perylene	420	U
110-86-1-----	Pyridine	420	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB110

Lab Name: SWL-TULSA

Contract: FT. HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) SOIL

Lab Sample ID: 28055.07

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: FFK868.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 21 dec.

Date Extracted: 12/22/96

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 01/08/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 9.0

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

95-94-3-----1,2,4,5-Tetrachlorobenzene

420

U

1

INORGANIC ANALYSES DATA SHEET

05507

Concentration Units (ug/L or mg/kg dry weight): MG/KG

ILM02.1

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB111

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) SOIL

Lab Sample ID: 28055.08

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I22755.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 7

Date Analyzed: 12/27/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.

COMPOUND

74-87-3-----	CHLOROMETHANE	5	U
74-83-9-----	BROMOMETHANE	5	U
75-01-4-----	VINYL CHLORIDE	5	U
75-00-3-----	CHLOROETHANE	5	U
75-09-2-----	METHYLENE CHLORIDE	11	
67-64-1-----	ACETONE	110	
75-35-4-----	1 1-DICHLOROETHENE	5	U
75-34-3-----	1 1-DICHLOROETHANE	5	U
67-66-3-----	CHLOROFORM	5	U
107-06-2-----	1 2-DICHLOROETHANE	5	U
78-93-3-----	2-BUTANONE	5	U
71-55-6-----	1 1 1-TRICHLOROETHANE	5	U
56-23-5-----	CARBON TETRACHLORIDE	5	U
75-27-4-----	BROMODICHLOROMETHANE	5	U
78-87-5-----	1 2-DICHLOROPROPANE	5	U
79-01-6-----	TRICHLOROETHENE	8	
124-48-1-----	DIBROMOCHLOROMETHANE	5	U
79-00-5-----	1 1 2-TRICHLOROETHANE	5	U
71-43-2-----	BENZENE	5	U
75-25-2-----	BROMOFORM	5	U
108-10-1-----	4-METHYL-2-PENTANONE	5	U
591-78-6-----	2-HEXANONE	5	U
127-18-4-----	TETRACHLOROETHENE	5	U
108-88-3-----	TOLUENE	5	J
79-34-5-----	1 1 2 2-TETRACHLOROETHANE	5	U
108-90-7-----	CHLOROBENZENE	5	U
100-41-4-----	ETHYL BENZENE	5	U
100-42-5-----	STYRENE	5	U
156-59-2-----	cis-1 2-DICHLOROETHENE	5	U
156-60-5-----	trans-1 2-DICHLOROETHENE	5	U
13-302-07-----	m,p-XYLENES	5	U
95-47-6-----	o-XYLENE	5	U
106-93-4-----	1 2-DIBROMOETHANE	5	U
630-20-6-----	1 1 1 2-TETRACHLOROETHANE	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB111

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) SOIL

Lab Sample ID: 28055.08

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I22755.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 7

Date Analyzed: 12/27/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.

COMPOUND

96-18-4-----1 2 3-TRICHLOROPROPANE	5	U
75-71-8-----DICHLORODIFLUOROMETHANE	5	U
75-69-4-----TRICHLOROFLUOROMETHANE	5	U
74-95-3-----DIBROMOMETHANE	5	U
96-12-8-----1 2-DIBROMO-3-CHLOROPROPANE	5	U
108-86-1-----BROMOBENZENE	5	U
104-51-8-----n-BUTYLBENZENE	5	U
98-06-6-----tert-BUTYLBENZENE	5	U
135-98-8-----sec-BUTYLBENZENE	5	U
95-49-8-----2-CHLOROTOLUENE	5	U
106-43-4-----4-CHLOROTOLUENE	5	U
95-50-1-----1 2-DICHLOROBENZENE	5	U
541-73-1-----1 3-DICHLOROBENZENE	5	U
106-46-7-----1 4-DICHLOROBENZENE	5	U
142-28-9-----1 3-DICHLOROPROPANE	5	U
594-20-7-----2 2-DICHLOROPROPANE	5	U
563-58-6-----1 1-DICHLOROPROPENE	5	U
87-68-3-----HEXACHLOROBUTADIENE	5	U
98-82-8-----ISOPROPYLBENZENE	5	U
99-87-6-----p-ISOPROPYLTOLUENE	5	U
91-20-3-----NAPHTHALENE	5	U
103-65-1-----n-PROPYLBENZENE	5	U
87-61-6-----1 2 3-TRICHLOROBENZENE	5	U
120-82-1-----1 2 4-TRICHLOROBENZENE	5	U
95-63-6-----1 2 4-TRIMETHYLBENZENE	5	U
108-67-8-----1 3 5-TRIMETHYLBENZENE	5	U
74-97-5-----BROMOCHLOROMETHANE	5	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB111

Lab Name: SWL-TULSA Contract: FT. HOOD
Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28055
Matrix: (soil/water) SOIL Lab Sample ID: 28055.08
Sample wt/vol: 30.0 (g/mL) G Lab File ID: FFK869.D
Level: (low/med) LOW Date Received: 12/21/96
% Moisture: not dec. 7 dec. Date Extracted: 12/22/96
Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 01/08/97
Concentrated Extract Volume: 1000(uL)
GPC Cleanup: (Y/N) N pH: 9.0 Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

108-95-2-----	Phenol	350	U
111-44-4-----	bis(2-Chloroethyl)ether	350	U
95-57-8-----	2-Chlorophenol	350	U
541-73-1-----	1,3-Dichlorobenzene	350	U
106-46-7-----	1,4-Dichlorobenzene	350	U
100-51-6-----	Benzyl alcohol	350	U
95-50-1-----	1,2-Dichlorobenzene	350	U
95-48-7-----	2-Methylphenol	350	U
108-60-1-----	bis(2-Chloroisopropyl)ether	350	U
106-44-5-----	4-Methylphenol	350	U
621-64-7-----	N-Nitroso-di-n-propylamine	350	U
67-72-1-----	Hexachloroethane	350	U
98-95-3-----	Nitrobenzene	350	U
78-59-1-----	Isophorone	350	U
88-75-5-----	2-Nitrophenol	350	U
105-67-9-----	2,4-Dimethylphenol	350	U
65-85-0-----	Benzoic Acid	1700	U
111-91-1-----	bis(2-Chloroethoxy)methane	350	U
120-83-2-----	2,4-Dichlorophenol	350	U
120-82-1-----	1,2,4-Trichlorobenzene	350	U
91-20-3-----	Naphthalene	350	U
106-47-8-----	4-Chloroaniline	350	U
87-68-3-----	Hexachlorobutadiene	350	U
59-50-7-----	4-Chloro-3-methylphenol	350	U
91-57-6-----	2-Methylnaphthalene	350	U
77-47-4-----	Hexachlorocyclopentadiene	350	U
88-06-2-----	2,4,6-Trichlorophenol	350	U
95-95-4-----	2,4,5-Trichlorophenol	1700	U
91-58-7-----	2-Chloronaphthalene	350	U
88-74-4-----	2-Nitroaniline	1700	U
131-11-3-----	Dimethylphthalate	350	U
208-96-8-----	Acenaphthylene	350	U
606-20-2-----	2,6-Dinitrotoluene	350	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB111

Lab Name: SWL-TULSA

Contract: FT. HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) SOIL

Lab Sample ID: 28055.08

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: FFK869.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 7 dec.

Date Extracted: 12/22/96

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 01/08/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 9.0

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

99-09-2-----	3-Nitroaniline	1700	U
83-32-9-----	Acenaphthene	350	U
121-14-2-----	2,4-Dinitrotoluene	350	U
51-28-5-----	2,4-Dinitrophenol	1700	U
100-02-7-----	4-Nitrophenol	1700	U
132-64-9-----	Dibenzofuran	350	U
84-66-2-----	Diethylphthalate	350	U
7005-72-3-----	4-Chlorophenyl-phenylether	350	U
86-73-7-----	Fluorene	350	U
100-01-6-----	4-Nitroaniline	1700	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1700	U
86-30-6-----	N-Nitrosodiphenylamine (1)	350	U
101-55-3-----	4-Bromophenylphenylether	350	U
118-74-1-----	Hexachlorobenzene	350	U
87-86-5-----	Pentachlorophenol	1700	U
85-01-8-----	Phenanthrene	350	U
120-12-7-----	Anthracene	350	U
84-74-2-----	Di-n-butylphthalate	350	U
206-44-0-----	Fluoranthene	350	U
129-00-0-----	Pyrene	350	U
85-68-7-----	Butylbenzylphthalate	350	U
91-94-1-----	3,3'-Dichlorobenzidine	710	U
56-55-3-----	Benzo(a)anthracene	350	U
218-01-9-----	Chrysene	350	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	350	U
117-84-0-----	Di-n-octylphthalate	350	U
205-99-2-----	Benzo(b)fluoranthene	350	U
207-08-9-----	Benzo(k)fluoranthene	350	U
50-32-8-----	Benzo(a)pyrene	350	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	350	U
53-70-3-----	Dibenz(a,h)anthracene	350	U
191-24-2-----	Benzo(g,h,i)perylene	350	U
110-86-1-----	Pyridine	350	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB111

Lab Name: SWL-TULSA

Contract: FT. HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) SOIL

Lab Sample ID: 28055.08

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: FFK869.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 7 dec.

Date Extracted: 12/22/96

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 01/08/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 9.0

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

95-94-3-----1,2,4,5-Tetrachlorobenzene__	350	U
--	-----	---

1
INORGANIC ANALYSES DATA SHEET

05508

Concentration Units (ug/L or mg/kg dry weight): MG/KG

[illegible]

Texture: MEDIUM
Artifacts: _____

CLIENT ID = 10SB111

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB112

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) SOIL

Lab Sample ID: 28055.09

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I22768.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 12

Date Analyzed: 12/30/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND		
74-87-3-----	CHLOROMETHANE	6	U
74-83-9-----	BROMOMETHANE	6	U
75-01-4-----	VINYL CHLORIDE	6	U
75-00-3-----	CHLOROETHANE	6	U
75-09-2-----	METHYLENE CHLORIDE	3	J
67-64-1-----	ACETONE	8	
75-35-4-----	1 1-DICHLOROETHENE	6	U
75-34-3-----	1 1-DICHLOROETHANE	6	U
67-66-3-----	CHLOROFORM	6	U
107-06-2-----	1 2-DICHLOROETHANE	6	U
78-93-3-----	2-BUTANONE	6	U
71-55-6-----	1 1 1-TRICHLOROETHANE	6	U
56-23-5-----	CARBON TETRACHLORIDE	6	U
75-27-4-----	BROMODICHLOROMETHANE	6	U
78-87-5-----	1 2-DICHLOROPROPANE	6	U
79-01-6-----	TRICHLOROETHENE	6	U
124-48-1-----	DIBROMOCHLOROMETHANE	6	U
79-00-5-----	1 1 2-TRICHLOROETHANE	6	U
71-43-2-----	BENZENE	6	U
75-25-2-----	BROMOFORM	6	U
108-10-1-----	4-METHYL-2-PENTANONE	6	U
591-78-6-----	2-HEXANONE	6	U
127-18-4-----	TETRACHLOROETHENE	6	U
108-88-3-----	TOLUENE	6	U
79-34-5-----	1 1 2 2-TETRACHLOROETHANE	6	U
108-90-7-----	CHLOROBENZENE	6	U
100-41-4-----	ETHYL BENZENE	6	U
100-42-5-----	STYRENE	6	U
156-59-2-----	cis-1 2-DICHLOROETHENE	6	U
156-60-5-----	trans-1 2-DICHLOROETHENE	6	U
13-302-07-----	m,p-XYLENES	6	U
95-47-6-----	o-XYLENE	6	U
106-93-4-----	1 2-DIBROMOETHANE	6	U
630-20-6-----	1 1 1 2-TETRACHLOROETHANE	6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB112

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) SOIL

Lab Sample ID: 28055.09

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I22768.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 12

Date Analyzed: 12/30/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

CAS NO.

COMPOUND

96-18-4-----1 2 3-TRICHLOROPROPANE	6	U
75-71-8-----DICHLORODIFLUOROMETHANE	6	U
75-69-4-----TRICHLOROFLUOROMETHANE	6	U
74-95-3-----DIBROMOMETHANE	6	U
96-12-8-----1 2-DIBROMO-3-CHLOROPROPANE	6	U
108-86-1-----BROMOBENZENE	6	U
104-51-8-----n-BUTYLBENZENE	6	U
98-06-6-----tert-BUTYLBENZENE	6	U
135-98-8-----sec-BUTYLBENZENE	6	U
95-49-8-----2-CHLOROTOLUENE	6	U
106-43-4-----4-CHLOROTOLUENE	6	U
95-50-1-----1 2-DICHLORO BENZENE	6	U
541-73-1-----1 3-DICHLORO BENZENE	6	U
106-46-7-----1 4-DICHLORO BENZENE	6	U
142-28-9-----1 3-DICHLOROPROPANE	6	U
594-20-7-----2 2-DICHLOROPROPANE	6	U
563-58-6-----1 1-DICHLOROPROPENE	6	U
87-68-3-----HEXACHLORO BUTADIENE	6	U
98-82-8-----ISOPROPYLBENZENE	6	U
99-87-6-----p-ISOPROPYLTOLUENE	6	U
91-20-3-----NAPHTHALENE	6	U
103-65-1-----n-PROPYLBENZENE	6	U
87-61-6-----1 2 3-TRICHLORO BENZENE	6	U
120-82-1-----1 2 4-TRICHLORO BENZENE	6	U
95-63-6-----1 2 4-TRIMETHYLBENZENE	6	U
108-67-8-----1 3 5-TRIMETHYLBENZENE	6	U
74-97-5-----BROMOCHLOROMETHANE	6	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB112

Lab Name: SWL-TULSA

Contract: FT. HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) SOIL

Lab Sample ID: 28055.09

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: FFK870.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 12 dec.

Date Extracted: 12/22/96

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 01/08/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 9.1

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	380	U
111-44-4-----	bis(2-Chloroethyl)ether	380	U
95-57-8-----	2-Chlorophenol	380	U
541-73-1-----	1,3-Dichlorobenzene	380	U
106-46-7-----	1,4-Dichlorobenzene	380	U
100-51-6-----	Benzyl alcohol	380	U
95-50-1-----	1,2-Dichlorobenzene	380	U
95-48-7-----	2-Methylphenol	380	U
108-60-1-----	bis(2-Chloroisopropyl)ether	380	U
106-44-5-----	4-Methylphenol	380	U
621-64-7-----	N-Nitroso-di-n-propylamine	380	U
67-72-1-----	Hexachloroethane	380	U
98-95-3-----	Nitrobenzene	380	U
78-59-1-----	Isophorone	380	U
88-75-5-----	2-Nitrophenol	380	U
105-67-9-----	2,4-Dimethylphenol	380	U
65-85-0-----	Benzoic Acid	1800	U
111-91-1-----	bis(2-Chloroethoxy)methane	380	U
120-83-2-----	2,4-Dichlorophenol	380	U
120-82-1-----	1,2,4-Trichlorobenzene	380	U
91-20-3-----	Naphthalene	380	U
106-47-8-----	4-Chloroaniline	380	U
87-68-3-----	Hexachlorobutadiene	380	U
59-50-7-----	4-Chloro-3-methylphenol	380	U
91-57-6-----	2-Methylnaphthalene	380	U
77-47-4-----	Hexachlorocyclopentadiene	380	U
88-06-2-----	2,4,6-Trichlorophenol	380	U
95-95-4-----	2,4,5-Trichlorophenol	1800	U
91-58-7-----	2-Chloronaphthalene	380	U
88-74-4-----	2-Nitroaniline	1800	U
131-11-3-----	Dimethylphthalate	380	U
208-96-8-----	Acenaphthylene	380	U
606-20-2-----	2,6-Dinitrotoluene	380	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB112

Lab Name: SWL-TULSA

Contract: FT. HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) SOIL

Lab Sample ID: 28055.09

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: FFK870.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 12 dec.

Date Extracted: 12/22/96

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 01/08/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 9.1

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

99-09-2-----	3-Nitroaniline	1800	U
83-32-9-----	Acenaphthene	380	U
121-14-2-----	2,4-Dinitrotoluene	380	U
51-28-5-----	2,4-Dinitrophenol	1800	U
100-02-7-----	4-Nitrophenol	1800	U
132-64-9-----	Dibenzofuran	380	U
84-66-2-----	Diethylphthalate	380	U
7005-72-3-----	4-Chlorophenyl-phenylether	380	U
86-73-7-----	Fluorene	380	U
100-01-6-----	4-Nitroaniline	1800	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1800	U
86-30-6-----	N-Nitrosodiphenylamine (1)	380	U
101-55-3-----	4-Bromophenylphenylether	380	U
118-74-1-----	Hexachlorobenzene	380	U
87-86-5-----	Pentachlorophenol	1800	U
85-01-8-----	Phenanthrene	380	U
120-12-7-----	Anthracene	380	U
84-74-2-----	Di-n-butylphthalate	380	U
206-44-0-----	Fluoranthene	380	U
129-00-0-----	Pyrene	380	U
85-68-7-----	Butylbenzylphthalate	380	U
91-94-1-----	3,3'-Dichlorobenzidine	750	U
56-55-3-----	Benzo(a)anthracene	380	U
218-01-9-----	Chrysene	380	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	380	U
117-84-0-----	Di-n-octylphthalate	380	U
205-99-2-----	Benzo(b)fluoranthene	380	U
207-08-9-----	Benzo(k)fluoranthene	380	U
50-32-8-----	Benzo(a)pyrene	380	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	380	U
53-70-3-----	Dibenz(a,h)anthracene	380	U
191-24-2-----	Benzo(g,h,i)perylene	380	U
110-86-1-----	Pyridine	380	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB112

Lab Name: SWL-TULSA

Contract: FT. HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) SOIL

Lab Sample ID: 28055.09

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: FFK870.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 12 dec.

Date Extracted: 12/22/96

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 01/08/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 9.1

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

95-94-3-----	1,2,4,5-Tetrachlorobenzene__		
--------------	------------------------------	--	--

380

U

1
INORGANIC ANALYSES DATA SHEET

05509

Concentration Units (ug/L or mg/kg dry weight): MG/KG

[illegible]

Texture: MEDIUM
Artifacts: _____

CLIENT ID = 10SB112

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB113

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) SOIL

Lab Sample ID: 28055.10

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I22757.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 12

Date Analyzed: 12/27/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

CAS NO.

COMPOUND

74-87-3-----	CHLOROMETHANE	6	U
74-83-9-----	BROMOMETHANE	6	U
75-01-4-----	VINYL CHLORIDE	6	U
75-00-3-----	CHLOROETHANE	6	U
75-09-2-----	METHYLENE CHLORIDE	14	
67-64-1-----	ACETONE	37	
75-35-4-----	1 1-DICHLOROETHENE	6	U
75-34-3-----	1 1-DICHLOROETHANE	6	U
67-66-3-----	CHLOROFORM	6	U
107-06-2-----	1 2-DICHLOROETHANE	6	U
78-93-3-----	2-BUTANONE	6	U
71-55-6-----	1 1 1-TRICHLOROETHANE	6	U
56-23-5-----	CARBON TETRACHLORIDE	6	U
75-27-4-----	BROMODICHLOROMETHANE	6	U
78-87-5-----	1 2-DICHLOROPROPANE	6	U
79-01-6-----	TRICHLOROETHENE	6	U
124-48-1-----	DIBROMOCHLOROMETHANE	6	U
79-00-5-----	1 1 2-TRICHLOROETHANE	6	U
71-43-2-----	BENZENE	6	U
75-25-2-----	BROMOFORM	6	U
108-10-1-----	4-METHYL-2-PENTANONE	6	U
591-78-6-----	2-HEXANONE	6	U
127-18-4-----	TETRACHLOROETHENE	6	U
108-88-3-----	TOLUENE	6	U
79-34-5-----	1 1 2 2-TETRACHLOROETHANE	6	U
108-90-7-----	CHLOROBENZENE	6	U
100-41-4-----	ETHYL BENZENE	6	U
100-42-5-----	STYRENE	6	U
156-59-2-----	cis-1 2-DICHLOROETHENE	6	U
156-60-5-----	trans-1 2-DICHLOROETHENE	6	U
13-302-07-----	m,p-XYLENES	6	U
95-47-6-----	o-XYLENE	6	U
106-93-4-----	1 2-DIBROMOETHANE	6	U
630-20-6-----	1 1 1 2-TETRACHLOROETHANE	6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB113

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) SOIL

Lab Sample ID: 28055.10

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I22757.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 12

Date Analyzed: 12/27/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

CAS NO.

COMPOUND

96-18-4-----1 2 3-TRICHLOROPROPANE	6	U
75-71-8-----DICHLORODIFLUOROMETHANE	6	U
75-69-4-----TRICHLOROFLUOROMETHANE	6	U
74-95-3-----DIBROMOMETHANE	6	U
96-12-8-----1 2-DIBROMO-3-CHLOROPROPANE	6	U
108-86-1-----BROMOBENZENE	6	U
104-51-8-----n-BUTYLBENZENE	6	U
98-06-6-----tert-BUTYLBENZENE	6	U
135-98-8-----sec-BUTYLBENZENE	6	U
95-49-8-----2-CHLOROTOLUENE	6	U
106-43-4-----4-CHLOROTOLUENE	6	U
95-50-1-----1 2-DICHLOROBENZENE	6	U
541-73-1-----1 3-DICHLOROBENZENE	6	U
106-46-7-----1 4-DICHLOROBENZENE	6	U
142-28-9-----1 3-DICHLOROPROPANE	6	U
594-20-7-----2 2-DICHLOROPROPANE	6	U
563-58-6-----1 1-DICHLOROPROPENE	6	U
87-68-3-----HEXACHLOROBUTADIENE	6	U
98-82-8-----ISOPROPYLBENZENE	6	U
99-87-6-----p-ISOPROPYLTOLUENE	6	U
91-20-3-----NAPHTHALENE	6	U
103-65-1-----n-PROPYLBENZENE	6	U
87-61-6-----1 2 3-TRICHLOROBENZENE	6	U
120-82-1-----1 2 4-TRICHLOROBENZENE	6	U
95-63-6-----1 2 4-TRIMETHYLBENZENE	6	U
108-67-8-----1 3 5-TRIMETHYLBENZENE	6	U
74-97-5-----BROMOCHLOROMETHANE	6	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB113

Lab Name: SWL-TULSA

Contract: FT. HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) SOIL

Lab Sample ID: 28055.10

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: FFK871.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 12 dec.

Date Extracted: 12/22/96

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 01/08/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 9.3

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

108-95-2-----	Phenol	380	U
111-44-4-----	bis(2-Chloroethyl)ether	380	U
95-57-8-----	2-Chlorophenol	380	U
541-73-1-----	1,3-Dichlorobenzene	380	U
106-46-7-----	1,4-Dichlorobenzene	380	U
100-51-6-----	Benzyl alcohol	380	U
95-50-1-----	1,2-Dichlorobenzene	380	U
95-48-7-----	2-Methylphenol	380	U
108-60-1-----	bis(2-Chloroisopropyl)ether	380	U
106-44-5-----	4-Methylphenol	380	U
621-64-7-----	N-Nitroso-di-n-propylamine	380	U
67-72-1-----	Hexachloroethane	380	U
98-95-3-----	Nitrobenzene	380	U
78-59-1-----	Isophorone	380	U
88-75-5-----	2-Nitrophenol	380	U
105-67-9-----	2,4-Dimethylphenol	380	U
65-85-0-----	Benzoic Acid	1800	U
111-91-1-----	bis(2-Chloroethoxy)methane	380	U
120-83-2-----	2,4-Dichlorophenol	380	U
120-82-1-----	1,2,4-Trichlorobenzene	380	U
91-20-3-----	Naphthalene	380	U
106-47-8-----	4-Chloroaniline	380	U
87-68-3-----	Hexachlorobutadiene	380	U
59-50-7-----	4-Chloro-3-methylphenol	380	U
91-57-6-----	2-Methylnaphthalene	380	U
77-47-4-----	Hexachlorocyclopentadiene	380	U
88-06-2-----	2,4,6-Trichlorophenol	380	U
95-95-4-----	2,4,5-Trichlorophenol	1800	U
91-58-7-----	2-Chloronaphthalene	380	U
88-74-4-----	2-Nitroaniline	1800	U
131-11-3-----	Dimethylphthalate	380	U
208-96-8-----	Acenaphthylene	380	U
606-20-2-----	2,6-Dinitrotoluene	380	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB113

Lab Name: SWL-TULSA

Contract: FT. HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) SOIL

Lab Sample ID: 28055.10

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: FFK871.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 12 dec.

Date Extracted: 12/22/96

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 01/08/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 9.3

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

99-09-2-----	3-Nitroaniline	1800	U
83-32-9-----	Acenaphthene	380	U
121-14-2-----	2,4-Dinitrotoluene	380	U
51-28-5-----	2,4-Dinitrophenol	1800	U
100-02-7-----	4-Nitrophenol	1800	U
132-64-9-----	Dibenzofuran	380	U
84-66-2-----	Diethylphthalate	380	U
7005-72-3-----	4-Chlorophenyl-phenylether	380	U
86-73-7-----	Fluorene	380	U
100-01-6-----	4-Nitroaniline	1800	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1800	U
86-30-6-----	N-Nitrosodiphenylamine (1)	380	U
101-55-3-----	4-Bromophenylphenylether	380	U
118-74-1-----	Hexachlorobenzene	380	U
87-86-5-----	Pentachlorophenol	1800	U
85-01-8-----	Phenanthrene	380	U
120-12-7-----	Anthracene	380	U
84-74-2-----	Di-n-butylphthalate	380	U
206-44-0-----	Fluoranthene	380	U
129-00-0-----	Pyrene	380	U
85-68-7-----	Butylbenzylphthalate	380	U
91-94-1-----	3,3'-Dichlorobenzidine	750	U
56-55-3-----	Benzo(a)anthracene	380	U
218-01-9-----	Chrysene	380	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	380	U
117-84-0-----	Di-n-octylphthalate	380	U
205-99-2-----	Benzo(b)fluoranthene	380	U
207-08-9-----	Benzo(k)fluoranthene	380	U
50-32-8-----	Benzo(a)pyrene	380	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	380	U
53-70-3-----	Dibenz(a,h)anthracene	380	U
191-24-2-----	Benzo(g,h,i)perylene	380	U
110-86-1-----	Pyridine	380	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB113

Lab Name: SWL-TULSA

Contract: FT. HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) SOIL

Lab Sample ID: 28055.10

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: FFK871.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 12 dec.

Date Extracted: 12/22/96

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 01/08/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 9.3

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

95-94-3-----1,2,4,5-Tetrachlorobenzene

380

U

1

INORGANIC ANALYSES DATA SHEET

05510

Concentration Units (ug/L or mg/kg dry weight): MG/KG

[illegible]

Texture: MEDIUM
Artifacts: _____

CLIENT ID = 10SB113

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB114

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) SOIL

Lab Sample ID: 28055.11

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I22758.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 7

Date Analyzed: 12/27/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.

COMPOUND

74-87-3-----	CHLOROMETHANE	5	U
74-83-9-----	BROMOMETHANE	5	U
75-01-4-----	VINYL CHLORIDE	5	U
75-00-3-----	CHLOROETHANE	5	U
75-09-2-----	METHYLENE CHLORIDE	10	
67-64-1-----	ACETONE	800	E
75-35-4-----	1 1-DICHLOROETHENE	5	U
75-34-3-----	1 1-DICHLOROETHANE	5	U
67-66-3-----	CHLOROFORM	5	U
107-06-2-----	1 2-DICHLOROETHANE	5	U
78-93-3-----	2-BUTANONE	5	U
71-55-6-----	1 1 1-TRICHLOROETHANE	5	U
56-23-5-----	CARBON TETRACHLORIDE	5	U
75-27-4-----	BROMODICHLOROMETHANE	5	U
78-87-5-----	1 2-DICHLOROPROPANE	5	U
79-01-6-----	TRICHLOROETHENE	11	
124-48-1-----	DIBROMOCHLOROMETHANE	5	U
79-00-5-----	1 1 2-TRICHLOROETHANE	5	U
71-43-2-----	BENZENE	5	U
75-25-2-----	BROMOFORM	5	U
108-10-1-----	4-METHYL-2-PENTANONE	5	U
591-78-6-----	2-HEXANONE	5	U
127-18-4-----	TETRACHLOROETHENE	5	U
108-88-3-----	TOLUENE	15	
79-34-5-----	1 1 2 2-TETRACHLOROETHANE	5	U
108-90-7-----	CHLOROBENZENE	5	U
100-41-4-----	ETHYL BENZENE	5	U
100-42-5-----	STYRENE	5	U
156-59-2-----	cis-1 2-DICHLOROETHENE	5	U
156-60-5-----	trans-1 2-DICHLOROETHENE	5	U
13-302-07-----	m,p-XYLENES	5	U
95-47-6-----	o-XYLENE	5	U
106-93-4-----	1 2-DIBROMOETHANE	5	U
630-20-6-----	1 1 1 2-TETRACHLOROETHANE	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB114

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) SOIL

Lab Sample ID: 28055.11

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I22758.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 7

Date Analyzed: 12/27/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

CAS NO.

COMPOUND

96-18-4-----1 2 3-TRICHLOROPROPANE	5	U
75-71-8-----DICHLORODIFLUOROMETHANE	5	U
75-69-4-----TRICHLOROFLUOROMETHANE	5	U
74-95-3-----DIBROMOMETHANE	5	U
96-12-8-----1 2-DIBROMO-3-CHLOROPROPANE	5	U
108-86-1-----BROMOBENZENE	5	U
104-51-8-----n-BUTYLBENZENE	5	U
98-06-6-----tert-BUTYLBENZENE	5	U
135-98-8-----sec-BUTYLBENZENE	5	U
95-49-8-----2-CHLOROTOLUENE	5	U
106-43-4-----4-CHLOROTOLUENE	5	U
95-50-1-----1 2-DICHLOROBENZENE	5	U
541-73-1-----1 3-DICHLOROBENZENE	5	U
106-46-7-----1 4-DICHLOROBENZENE	5	U
142-28-9-----1 3-DICHLOROPROPANE	5	U
594-20-7-----2 2-DICHLOROPROPANE	5	U
563-58-6-----1 1-DICHLOROPROPENE	5	U
87-68-3-----HEXACHLOROBTADIENE	5	U
98-82-8-----ISOPROPYLBENZENE	5	U
99-87-6-----p-ISOPROPYLTOLUENE	5	U
91-20-3-----NAPHTHALENE	5	U
103-65-1-----n-PROPYLBENZENE	5	U
87-61-6-----1 2 3-TRICHLOROBENZENE	5	U
120-82-1-----1 2 4-TRICHLOROBENZENE	5	U
95-63-6-----1 2 4-TRIMETHYLBENZENE	5	U
108-67-8-----1 3 5-TRIMETHYLBENZENE	5	U
74-97-5-----BROMOCHLOROMETHANE	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB114DL

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) SOIL

Lab Sample ID: 28055.11DL

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: I22769.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 7

Date Analyzed: 12/30/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

CAS NO.

COMPOUND

74-87-3-----	CHLOROMETHANE	27	U
74-83-9-----	BROMOMETHANE	27	U
75-01-4-----	VINYL CHLORIDE	27	U
75-00-3-----	CHLOROETHANE	27	U
75-09-2-----	METHYLENE CHLORIDE	42	D
67-64-1-----	ACETONE	420	D
75-35-4-----	1 1-DICHLOROETHENE	27	U
75-34-3-----	1 1-DICHLOROETHANE	27	U
67-66-3-----	CHLOROFORM	27	U
107-06-2-----	1 2-DICHLOROETHANE	27	U
78-93-3-----	2-BUTANONE	27	U
71-55-6-----	1 1 1-TRICHLOROETHANE	27	U
56-23-5-----	CARBON TETRACHLORIDE	27	U
75-27-4-----	BROMODICHLOROMETHANE	27	U
78-87-5-----	1 2-DICHLOROPROPANE	27	U
79-01-6-----	TRICHLOROETHENE	27	U
124-48-1-----	DIBROMOCHLOROMETHANE	27	U
79-00-5-----	1 1 2-TRICHLOROETHANE	27	U
71-43-2-----	BENZENE	27	U
75-25-2-----	BROMOFORM	27	U
108-10-1-----	4-METHYL-2-PENTANONE	27	U
591-78-6-----	2-HEXANONE	27	U
127-18-4-----	TETRACHLOROETHENE	27	U
108-88-3-----	TOLUENE	16	JD
79-34-5-----	1 1 2 2-TETRACHLOROETHANE	27	U
108-90-7-----	CHLOROBENZENE	27	U
100-41-4-----	ETHYL BENZENE	27	U
100-42-5-----	STYRENE	27	U
156-59-2-----	cis-1 2-DICHLOROETHENE	27	U
156-60-5-----	trans-1 2-DICHLOROETHENE	27	U
13-302-07-----	m,p-XYLENES	27	U
95-47-6-----	o-XYLENE	27	U
106-93-4-----	1 2-DIBROMOETHANE	27	U
630-20-6-----	1 1 1 2-TETRACHLOROETHANE	27	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB114DL

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) SOIL

Lab Sample ID: 28055.11DL

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: I22769.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 7

Date Analyzed: 12/30/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

CAS NO.

COMPOUND

96-18-4-----1 2 3-TRICHLOROPROPANE	27	U
75-71-8-----DICHLORODIFLUOROMETHANE	27	U
75-69-4-----TRICHLOROFLUOROMETHANE	27	U
74-95-3-----DIBROMOMETHANE	27	U
96-12-8-----1 2-DIBROMO-3-CHLOROPROPANE	27	U
108-86-1-----BROMOBENZENE	27	U
104-51-8-----n-BUTYLBENZENE	27	U
98-06-6-----tert-BUTYLBENZENE	27	U
135-98-8-----sec-BUTYLBENZENE	27	U
95-49-8-----2-CHLOROTOLUENE	27	U
106-43-4-----4-CHLOROTOLUENE	27	U
95-50-1-----1 2-DICHLOROBEZENE	27	U
541-73-1-----1 3-DICHLOROBEZENE	27	U
106-46-7-----1 4-DICHLOROBEZENE	27	U
142-28-9-----1 3-DICHLOROPROPANE	27	U
594-20-7-----2 2-DICHLOROPROPANE	27	U
563-58-6-----1 1-DICHLOROPROPENE	27	U
87-68-3-----HEXACHLOROBUTADIENE	27	U
98-82-8-----ISOPROPYLBENZENE	27	U
99-87-6-----p-ISOPROPYLTOLUENE	27	U
91-20-3-----NAPHTHALENE	27	U
103-65-1-----n-PROPYLBENZENE	27	U
87-61-6-----1 2 3-TRICHLOROBEZENE	27	U
120-82-1-----1 2 4-TRICHLOROBEZENE	27	U
95-63-6-----1 2 4-TRIMETHYLBENZENE	27	U
108-67-8-----1 3 5-TRIMETHYLBENZENE	27	U
74-97-5-----BROMOCHLOROMETHANE	27	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB114

Lab Name: SWL-TULSA

Contract: FT. HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) SOIL

Lab Sample ID: 28055.11

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: FFK872.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 7 dec.

Date Extracted: 12/22/96

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 01/08/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 7.4

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

108-95-2-----	Phenol	350	U
111-44-4-----	bis(2-Chloroethyl)ether	350	U
95-57-8-----	2-Chlorophenol	350	U
541-73-1-----	1,3-Dichlorobenzene	350	U
106-46-7-----	1,4-Dichlorobenzene	350	U
100-51-6-----	Benzyl alcohol	350	U
95-50-1-----	1,2-Dichlorobenzene	350	U
95-48-7-----	2-Methylphenol	350	U
108-60-1-----	bis(2-Chloroisopropyl)ether	350	U
106-44-5-----	4-Methylphenol	350	U
621-64-7-----	N-Nitroso-di-n-propylamine	350	U
67-72-1-----	Hexachloroethane	350	U
98-95-3-----	Nitrobenzene	350	U
78-59-1-----	Isophorone	350	U
88-75-5-----	2-Nitrophenol	350	U
105-67-9-----	2,4-Dimethylphenol	350	U
65-85-0-----	Benzoic Acid	1700	U
111-91-1-----	bis(2-Chloroethoxy)methane	350	U
120-83-2-----	2,4-Dichlorophenol	350	U
120-82-1-----	1,2,4-Trichlorobenzene	350	U
91-20-3-----	Naphthalene	350	U
106-47-8-----	4-Chloroaniline	350	U
87-68-3-----	Hexachlorobutadiene	350	U
59-50-7-----	4-Chloro-3-methylphenol	350	U
91-57-6-----	2-Methylnaphthalene	350	U
77-47-4-----	Hexachlorocyclopentadiene	350	U
88-06-2-----	2,4,6-Trichlorophenol	350	U
95-95-4-----	2,4,5-Trichlorophenol	1700	U
91-58-7-----	2-Chloronaphthalene	350	U
88-74-4-----	2-Nitroaniline	1700	U
131-11-3-----	Dimethylphthalate	350	U
208-96-8-----	Acenaphthylene	350	U
606-20-2-----	2,6-Dinitrotoluene	350	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB114

Lab Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28055

Matrix: (soil/water) SOIL Lab Sample ID: 28055.11

Sample wt/vol: 30.0 (g/mL) G Lab File ID: FFK872.D

Level: (low/med) LOW Date Received: 12/21/96

% Moisture: not dec. 7 dec. Date Extracted: 12/22/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 01/08/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

99-09-2-----	3-Nitroaniline	1700	U
83-32-9-----	Acenaphthene	350	U
121-14-2-----	2,4-Dinitrotoluene	350	U
51-28-5-----	2,4-Dinitrophenol	1700	U
100-02-7-----	4-Nitrophenol	1700	U
132-64-9-----	Dibenzofuran	350	U
84-66-2-----	Diethylphthalate	350	U
7005-72-3-----	4-Chlorophenyl-phenylether	350	U
86-73-7-----	Fluorene	350	U
100-01-6-----	4-Nitroaniline	1700	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1700	U
86-30-6-----	N-Nitrosodiphenylamine (1)	350	U
101-55-3-----	4-Bromophenylphenylether	350	U
118-74-1-----	Hexachlorobenzene	350	U
87-86-5-----	Pentachlorophenol	1700	U
85-01-8-----	Phenanthrene	350	U
120-12-7-----	Anthracene	350	U
84-74-2-----	Di-n-butylphthalate	350	U
206-44-0-----	Fluoranthene	350	U
129-00-0-----	Pyrene	350	U
85-68-7-----	Butylbenzylphthalate	350	U
91-94-1-----	3,3'-Dichlorobenzidine	710	U
56-55-3-----	Benzo(a)anthracene	350	U
218-01-9-----	Chrysene	350	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	120	J
117-84-0-----	Di-n-octylphthalate	350	U
205-99-2-----	Benzo(b)fluoranthene	350	U
207-08-9-----	Benzo(k)fluoranthene	350	U
50-32-8-----	Benzo(a)pyrene	350	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	350	U
53-70-3-----	Dibenz(a,h)anthracene	350	U
191-24-2-----	Benzo(g,h,i)perylene	350	U
110-86-1-----	Pyridine	350	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB114

Lab Name: SWL-TULSA

Contract: FT. HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) SOIL

Lab Sample ID: 28055.11

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: FFK872.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 7 dec.

Date Extracted: 12/22/96

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 01/08/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 7.4

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

95-94-3-----	1,2,4,5-Tetrachlorobenzene		
--------------	----------------------------	--	--

350

U

1
INORGANIC ANALYSES DATA SHEET

05511

Concentration Units (ug/L or mg/kg dry weight): MG/KG

[illegible]

Texture: MEDIUM
Artifacts: _____

CLIENT ID = 10SB114

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB115

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) SOIL

Lab Sample ID: 28055.12

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I22770.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 16

Date Analyzed: 12/30/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.

COMPOUND

74-87-3-----	CHLOROMETHANE	6	U
74-83-9-----	BROMOMETHANE	6	U
75-01-4-----	VINYL CHLORIDE	6	U
75-00-3-----	CHLOROETHANE	6	U
75-09-2-----	METHYLENE CHLORIDE	10	
67-64-1-----	ACETONE	19	
75-35-4-----	1 1-DICHLOROETHENE	6	U
75-34-3-----	1 1-DICHLOROETHANE	6	U
67-66-3-----	CHLOROFORM	6	U
107-06-2-----	1 2-DICHLOROETHANE	6	U
78-93-3-----	2-BUTANONE	6	U
71-55-6-----	1 1 1-TRICHLOROETHANE	6	U
56-23-5-----	CARBON TETRACHLORIDE	6	U
75-27-4-----	BROMODICHLOROMETHANE	6	U
78-87-5-----	1 2-DICHLOROPROPANE	6	U
79-01-6-----	TRICHLOROETHENE	6	U
124-48-1-----	DIBROMOCHLOROMETHANE	6	U
79-00-5-----	1 1 2-TRICHLOROETHANE	6	U
71-43-2-----	BENZENE	6	U
75-25-2-----	BROMOFORM	6	U
108-10-1-----	4-METHYL-2-PENTANONE	6	U
591-78-6-----	2-HEXANONE	6	U
127-18-4-----	TETRACHLOROETHENE	6	U
108-88-3-----	TOLUENE	6	U
79-34-5-----	1 1 2 2-TETRACHLOROETHANE	6	U
108-90-7-----	CHLOROBENZENE	6	U
100-41-4-----	ETHYL BENZENE	6	U
100-42-5-----	STYRENE	6	U
156-59-2-----	cis-1 2-DICHLOROETHENE	6	U
156-60-5-----	trans-1 2-DICHLOROETHENE	6	U
13-302-07-----	m,p-XYLENES	6	U
95-47-6-----	o-XYLENE	6	U
106-93-4-----	1 2-DIBROMOETHANE	6	U
630-20-6-----	1 1 1 2-TETRACHLOROETHANE	6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB115

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) SOIL

Lab Sample ID: 28055.12

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I22770.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 16

Date Analyzed: 12/30/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.

COMPOUND

96-18-4-----1 2 3-TRICHLOROPROPANE	6	U
75-71-8-----DICHLORODIFLUOROMETHANE	6	U
75-69-4-----TRICHLOROFLUOROMETHANE	6	U
74-95-3-----DIBROMOMETHANE	6	U
96-12-8-----1 2-DIBROMO-3-CHLOROPROPANE	6	U
108-86-1-----BROMOBENZENE	6	U
104-51-8-----n-BUTYLBENZENE	6	U
98-06-6-----tert-BUTYLBENZENE	6	U
135-98-8-----sec-BUTYLBENZENE	6	U
95-49-8-----2-CHLOROTOLUENE	6	U
106-43-4-----4-CHLOROTOLUENE	6	U
95-50-1-----1 2-DICHLOROBENZENE	6	U
541-73-1-----1 3-DICHLOROBENZENE	6	U
106-46-7-----1 4-DICHLOROBENZENE	6	U
142-28-9-----1 3-DICHLOROPROPANE	6	U
594-20-7-----2 2-DICHLOROPROPANE	6	U
563-58-6-----1 1-DICHLOROPROPENE	6	U
87-68-3-----HEXACHLOROBUTADIENE	6	U
98-82-8-----ISOPROPYLBENZENE	6	U
99-87-6-----p-ISOPROPYLTOLUENE	6	U
91-20-3-----NAPHTHALENE	6	U
103-65-1-----n-PROPYLBENZENE	6	U
87-61-6-----1 2 3-TRICHLOROBENZENE	6	U
120-82-1-----1 2 4-TRICHLOROBENZENE	6	U
95-63-6-----1 2 4-TRIMETHYLBENZENE	6	U
108-67-8-----1 3 5-TRIMETHYLBENZENE	6	U
74-97-5-----BROMOCHLOROMETHANE	6	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB115

Lab Name: SWL-TULSA

Contract: FT. HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) SOIL

Lab Sample ID: 28055.12

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: FFK895.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 16 dec.

Date Extracted: 12/22/96

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 01/09/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 8.9

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

108-95-2-----	Phenol	390	U
111-44-4-----	bis(2-Chloroethyl)ether	390	U
95-57-8-----	2-Chlorophenol	390	U
541-73-1-----	1,3-Dichlorobenzene	390	U
106-46-7-----	1,4-Dichlorobenzene	390	U
100-51-6-----	Benzyl alcohol	390	U
95-50-1-----	1,2-Dichlorobenzene	390	U
95-48-7-----	2-Methylphenol	390	U
108-60-1-----	bis(2-Chloroisopropyl)ether	390	U
106-44-5-----	4-Methylphenol	390	U
621-64-7-----	N-Nitroso-di-n-propylamine	390	U
67-72-1-----	Hexachloroethane	390	U
98-95-3-----	Nitrobenzene	390	U
78-59-1-----	Isophorone	390	U
88-75-5-----	2-Nitrophenol	390	U
105-67-9-----	2,4-Dimethylphenol	390	U
65-85-0-----	Benzoic Acid	1900	U
111-91-1-----	bis(2-Chloroethoxy)methane	390	U
120-83-2-----	2,4-Dichlorophenol	390	U
120-82-1-----	1,2,4-Trichlorobenzene	390	U
91-20-3-----	Naphthalene	390	U
106-47-8-----	4-Chloroaniline	390	U
87-68-3-----	Hexachlorobutadiene	390	U
59-50-7-----	4-Chloro-3-methylphenol	390	U
91-57-6-----	2-Methylnaphthalene	390	U
77-47-4-----	Hexachlorocyclopentadiene	390	U
88-06-2-----	2,4,6-Trichlorophenol	390	U
95-95-4-----	2,4,5-Trichlorophenol	1900	U
91-58-7-----	2-Chloronaphthalene	390	U
88-74-4-----	2-Nitroaniline	1900	U
131-11-3-----	Dimethylphthalate	390	U
208-96-8-----	Acenaphthylene	390	U
606-20-2-----	2,6-Dinitrotoluene	390	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB115

Lab Name: SWL-TULSA

Contract: FT. HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) SOIL

Lab Sample ID: 28055.12

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: FFK895.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 16 dec.

Date Extracted: 12/22/96

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 01/09/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 8.9

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

99-09-2-----	3-Nitroaniline	1900	U
83-32-9-----	Acenaphthene	390	U
121-14-2-----	2,4-Dinitrotoluene	390	U
51-28-5-----	2,4-Dinitrophenol	1900	U
100-02-7-----	4-Nitrophenol	1900	U
132-64-9-----	Dibenzofuran	390	U
84-66-2-----	Diethylphthalate	390	U
7005-72-3-----	4-Chlorophenyl-phenylether	390	U
86-73-7-----	Fluorene	390	U
100-01-6-----	4-Nitroaniline	1900	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1900	U
86-30-6-----	N-Nitrosodiphenylamine (1)	390	U
101-55-3-----	4-Bromophenylphenylether	390	U
118-74-1-----	Hexachlorobenzene	390	U
87-86-5-----	Pentachlorophenol	1900	U
85-01-8-----	Phenanthrene	390	U
120-12-7-----	Anthracene	390	U
84-74-2-----	Di-n-butylphthalate	390	U
206-44-0-----	Fluoranthene	390	U
129-00-0-----	Pyrene	390	U
85-68-7-----	Butylbenzylphthalate	390	U
91-94-1-----	3,3'-Dichlorobenzidine	780	U
56-55-3-----	Benzo(a)anthracene	390	U
218-01-9-----	Chrysene	390	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	100	J
117-84-0-----	Di-n-octylphthalate	390	U
205-99-2-----	Benzo(b)fluoranthene	390	U
207-08-9-----	Benzo(k)fluoranthene	390	U
50-32-8-----	Benzo(a)pyrene	390	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	390	U
53-70-3-----	Dibenz(a,h)anthracene	390	U
191-24-2-----	Benzo(g,h,i)perylene	390	U
110-86-1-----	Pyridine	390	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB115

Lab Name: SWL-TULSA

Contract: FT. HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) SOIL

Lab Sample ID: 28055.12

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: FFK895.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 16 dec.

Date Extracted: 12/22/96

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 01/09/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 8.9

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

95-94-3-----1,2,4,5-Tetrachlorobenzene

390

U

1

INORGANIC ANALYSES DATA SHEET

05512

Concentration Units (ug/L or mg/kg dry weight): MG/KG

[illegible]

Texture: MEDIUM
Artifacts: _____

CLIENT ID = 10SB115

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FHSB202

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) SOIL

Lab Sample ID: 28055.14

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I22760.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 21

Date Analyzed: 12/27/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND		
74-87-3	CHLOROMETHANE	6	U
74-83-9	BROMOMETHANE	6	U
75-01-4	VINYL CHLORIDE	6	U
75-00-3	CHLOROETHANE	6	U
75-09-2	METHYLENE CHLORIDE	13	
67-64-1	ACETONE	340	E
75-35-4	1 1-DICHLOROETHENE	6	U
75-34-3	1 1-DICHLOROETHANE	6	U
67-66-3	CHLOROFORM	6	U
107-06-2	1 2-DICHLOROETHANE	6	U
78-93-3	2-BUTANONE	6	U
71-55-6	1 1 1-TRICHLOROETHANE	6	U
56-23-5	CARBON TETRACHLORIDE	6	U
75-27-4	BROMODICHLOROMETHANE	6	U
78-87-5	1 2-DICHLOROPROPANE	6	U
79-01-6	TRICHLOROETHENE	8	
124-48-1	DIBROMOCHLOROMETHANE	6	U
79-00-5	1 1 2-TRICHLOROETHANE	6	U
71-43-2	BENZENE	6	U
75-25-2	BROMOFORM	6	U
108-10-1	4-METHYL-2-PENTANONE	6	U
591-78-6	2-HEXANONE	6	U
127-18-4	TETRACHLOROETHENE	6	U
108-88-3	TOLUENE	7	
79-34-5	1 1 2 2-TETRACHLOROETHANE	6	U
108-90-7	CHLOROBENZENE	6	U
100-41-4	ETHYL BENZENE	6	U
100-42-5	STYRENE	6	U
156-59-2	cis-1 2-DICHLOROETHENE	6	U
156-60-5	trans-1 2-DICHLOROETHENE	6	U
13-302-07	m,p-XYLENES	6	U
95-47-6	o-XYLENE	6	U
106-93-4	1 2-DIBROMOETHANE	6	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FHSB202

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) SOIL

Lab Sample ID: 28055.14

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I22760.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 21

Date Analyzed: 12/27/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

96-18-4-----1 2 3-TRICHLOROPROPANE	6	U
75-71-8-----DICHLORODIFLUOROMETHANE	6	U
75-69-4-----TRICHLOROFLUOROMETHANE	6	U
74-95-3-----DIBROMOMETHANE	6	U
96-12-8-----1 2-DIBROMO-3-CHLOROPROPANE	6	U
108-86-1-----BROMOBENZENE	6	U
104-51-8-----n-BUTYLBENZENE	6	U
98-06-6-----tert-BUTYLBENZENE	6	U
135-98-8-----sec-BUTYLBENZENE	6	U
95-49-8-----2-CHLOROTOLUENE	6	U
106-43-4-----4-CHLOROTOLUENE	6	U
95-50-1-----1 2-DICHLOROBENZENE	6	U
541-73-1-----1 3-DICHLOROBENZENE	6	U
106-46-7-----1 4-DICHLOROBENZENE	6	U
142-28-9-----1 3-DICHLOROPROPANE	6	U
594-20-7-----2 2-DICHLOROPROPANE	6	U
563-58-6-----1 1-DICHLOROPROPENE	6	U
87-68-3-----HEXACHLOROBUTADIENE	6	U
98-82-8-----ISOPROPYLBENZENE	6	U
99-87-6-----p-ISOPROPYLTOLUENE	6	U
91-20-3-----NAPHTHALENE	6	U
103-65-1-----n-PROPYLBENZENE	6	U
87-61-6-----1 2 3-TRICHLOROBENZENE	6	U
120-82-1-----1 2 4-TRICHLOROBENZENE	6	U
95-63-6-----1 2 4-TRIMETHYLBENZENE	6	U
108-67-8-----1 3 5-TRIMETHYLBENZENE	6	U
74-97-5-----BROMOCHLOROMETHANE	6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FHSB202DL

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) SOIL

Lab Sample ID: 28055.14DL

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: I22771.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 21

Date Analyzed: 12/30/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q
---------	----------	---

74-87-3-----	CHLOROMETHANE	32	U
74-83-9-----	BROMOMETHANE	32	U
75-01-4-----	VINYL CHLORIDE	32	U
75-00-3-----	CHLOROETHANE	32	U
75-09-2-----	METHYLENE CHLORIDE	54	D
67-64-1-----	ACETONE	150	D
75-35-4-----	1 1-DICHLOROETHENE	32	U
75-34-3-----	1 1-DICHLOROETHANE	32	U
67-66-3-----	CHLOROFORM	32	U
107-06-2-----	1 2-DICHLOROETHANE	32	U
78-93-3-----	2-BUTANONE	32	U
71-55-6-----	1 1 1-TRICHLOROETHANE	32	U
56-23-5-----	CARBON TETRACHLORIDE	32	U
75-27-4-----	BROMODICHLOROMETHANE	32	U
78-87-5-----	1 2-DICHLOROPROPANE	32	U
79-01-6-----	TRICHLOROETHENE	16	JD
124-48-1-----	DIBROMOCHLOROMETHANE	32	U
79-00-5-----	1 1 2-TRICHLOROETHANE	32	U
71-43-2-----	BENZENE	32	U
75-25-2-----	BROMOFORM	32	U
108-10-1-----	4-METHYL-2-PENTANONE	32	U
591-78-6-----	2-HEXANONE	32	U
127-18-4-----	TETRACHLOROETHENE	32	U
108-88-3-----	TOLUENE	15	JD
79-34-5-----	1 1 2 2-TETRACHLOROETHANE	32	U
108-90-7-----	CHLOROBENZENE	32	U
100-41-4-----	ETHYL BENZENE	32	U
100-42-5-----	STYRENE	32	U
156-59-2-----	cis-1 2-DICHLOROETHENE	32	U
156-60-5-----	trans-1 2-DICHLOROETHENE	32	U
13-302-07-----	m,p-XYLENES	32	U
95-47-6-----	o-XYLENE	32	U
106-93-4-----	1 2-DIBROMOETHANE	32	U
630-20-6-----	1 1 1 2-TETRACHLOROETHANE	32	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FHSB202DL

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) SOIL

Lab Sample ID: 28055.14DL

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: I22771.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 21

Date Analyzed: 12/30/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.

COMPOUND

96-18-4-----1 2 3-TRICHLOROPROPANE	32	U
75-71-8-----DICHLORODIFLUOROMETHANE	32	U
75-69-4-----TRICHLOROFLUOROMETHANE	32	U
74-95-3-----DIBROMOMETHANE	32	U
96-12-8-----1 2-DIBROMO-3-CHLOROPROPANE	32	U
108-86-1-----BROMOBENZENE	32	U
104-51-8-----n-BUTYLBENZENE	32	U
98-06-6-----tert-BUTYLBENZENE	32	U
135-98-8-----sec-BUTYLBENZENE	32	U
95-49-8-----2-CHLOROTOLUENE	32	U
106-43-4-----4-CHLOROTOLUENE	32	U
95-50-1-----1 2-DICHLOROBENZENE	32	U
541-73-1-----1 3-DICHLOROBENZENE	32	U
106-46-7-----1 4-DICHLOROBENZENE	32	U
142-28-9-----1 3-DICHLOROPROPANE	32	U
594-20-7-----2 2-DICHLOROPROPANE	32	U
563-58-6-----1 1-DICHLOROPROPENE	32	U
87-68-3-----HEXACHLOROBUTADIENE	32	U
98-82-8-----ISOPROPYLBENZENE	32	U
99-87-6-----p-ISOPROPYLTOLUENE	32	U
91-20-3-----NAPHTHALENE	32	U
103-65-1-----n-PROPYLBENZENE	32	U
87-61-6-----1 2 3-TRICHLOROBENZENE	32	U
120-82-1-----1 2 4-TRICHLOROBENZENE	32	U
95-63-6-----1 2 4-TRIMETHYLBENZENE	32	U
108-67-8-----1 3 5-TRIMETHYLBENZENE	32	U
74-97-5-----BROMOCHLOROMETHANE	32	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FHSB202

Lab Name: SWL-TULSA

Contract: FT. HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) SOIL

Lab Sample ID: 28055.14

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: FFK896.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 21 dec.

Date Extracted: 12/22/96

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 01/09/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 8.2

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

108-95-2-----	Phenol	420	U
111-44-4-----	bis(2-Chloroethyl)ether	420	U
95-57-8-----	2-Chlorophenol	420	U
541-73-1-----	1,3-Dichlorobenzene	420	U
106-46-7-----	1,4-Dichlorobenzene	420	U
100-51-6-----	Benzyl alcohol	420	U
95-50-1-----	1,2-Dichlorobenzene	420	U
95-48-7-----	2-Methylphenol	420	U
108-60-1-----	bis(2-Chloroisopropyl)ether	420	U
106-44-5-----	4-Methylphenol	420	U
621-64-7-----	N-Nitroso-di-n-propylamine	420	U
67-72-1-----	Hexachloroethane	420	U
98-95-3-----	Nitrobenzene	420	U
78-59-1-----	Isophorone	420	U
88-75-5-----	2-Nitrophenol	420	U
105-67-9-----	2,4-Dimethylphenol	420	U
65-85-0-----	Benzoic Acid	2000	U
111-91-1-----	bis(2-Chloroethoxy)methane	420	U
120-83-2-----	2,4-Dichlorophenol	420	U
120-82-1-----	1,2,4-Trichlorobenzene	420	U
91-20-3-----	Naphthalene	420	U
106-47-8-----	4-Chloroaniline	420	U
87-68-3-----	Hexachlorobutadiene	420	U
59-50-7-----	4-Chloro-3-methylphenol	420	U
91-57-6-----	2-Methylnaphthalene	420	U
77-47-4-----	Hexachlorocyclopentadiene	420	U
88-06-2-----	2,4,6-Trichlorophenol	420	U
95-95-4-----	2,4,5-Trichlorophenol	2000	U
91-58-7-----	2-Chloronaphthalene	420	U
88-74-4-----	2-Nitroaniline	2000	U
131-11-3-----	Dimethylphthalate	420	U
208-96-8-----	Acenaphthylene	420	U
606-20-2-----	2,6-Dinitrotoluene	420	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FHSB202

Lab Name: SWL-TULSA

Contract: FT. HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) SOIL

Lab Sample ID: 28055.14

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: FFK896.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 21 dec.

Date Extracted: 12/22/96

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 01/09/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 8.2

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

99-09-2-----	3-Nitroaniline	2000	U
83-32-9-----	Acenaphthene	420	U
121-14-2-----	2,4-Dinitrotoluene	420	U
51-28-5-----	2,4-Dinitrophenol	2000	U
100-02-7-----	4-Nitrophenol	2000	U
132-64-9-----	Dibenzofuran	420	U
84-66-2-----	Diethylphthalate	420	U
7005-72-3-----	4-Chlorophenyl-phenylether	420	U
86-73-7-----	Fluorene	420	U
100-01-6-----	4-Nitroaniline	2000	U
534-52-1-----	4,6-Dinitro-2-methylphenol	2000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	420	U
101-55-3-----	4-Bromophenylphenylether	420	U
118-74-1-----	Hexachlorobenzene	420	U
87-86-5-----	Pentachlorophenol	2000	U
85-01-8-----	Phenanthrene	420	U
120-12-7-----	Anthracene	420	U
84-74-2-----	Di-n-butylphthalate	420	U
206-44-0-----	Fluoranthene	420	U
129-00-0-----	Pyrene	420	U
85-68-7-----	Butylbenzylphthalate	420	U
91-94-1-----	3,3'-Dichlorobenzidine	840	U
56-55-3-----	Benzo(a)anthracene	420	U
218-01-9-----	Chrysene	420	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	420	U
117-84-0-----	Di-n-octylphthalate	420	U
205-99-2-----	Benzo(b)fluoranthene	420	U
207-08-9-----	Benzo(k)fluoranthene	420	U
50-32-8-----	Benzo(a)pyrene	420	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	420	U
53-70-3-----	Dibenz(a,h)anthracene	420	U
191-24-2-----	Benzo(g,h,i)perylene	420	U
110-86-1-----	Pyridine	420	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FHSB202

Lab Name: SWL-TULSA

Contract: FT. HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) SOIL

Lab Sample ID: 28055.14

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: FFK896.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 21 dec.

Date Extracted: 12/22/96

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 01/09/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 8.2

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

95-94-3-----1,2,4,5-Tetrachlorobenzene__

420

U

1
INORGANIC ANALYSES DATA SHEET

05514

Concentration Units (ug/L or mg/kg dry weight): MG/KG

[illegible]

Texture: MEDIUM
Artifacts: _____

CLIENT ID = FHSB202

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FHGW101

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) WATER

Lab Sample ID: 28055.03

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: UL732.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. _____

Date Analyzed: 12/27/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L Q

CAS NO.

COMPOUND

74-87-3-----	CHLOROMETHANE	5	U
74-83-9-----	BROMOMETHANE	5	U
75-01-4-----	VINYL CHLORIDE	20	
75-00-3-----	CHLOROETHANE	5	U
75-09-2-----	METHYLENE CHLORIDE	5	U
67-64-1-----	ACETONE	5	U
75-35-4-----	1 1-DICHLOROETHENE	5	U
75-34-3-----	1 1-DICHLOROETHANE	5	U
67-66-3-----	CHLOROFORM	5	U
107-06-2-----	1 2-DICHLOROETHANE	5	U
78-93-3-----	2-BUTANONE	5	U
71-55-6-----	1 1 1-TRICHLOROETHANE	5	U
56-23-5-----	CARBON TETRACHLORIDE	5	U
75-27-4-----	BROMODICHLOROMETHANE	5	U
78-87-5-----	1 2-DICHLOROPROPANE	5	U
79-01-6-----	TRICHLOROETHENE	5	U
124-48-1-----	DIBROMOCHLOROMETHANE	5	U
79-00-5-----	1 1 2-TRICHLOROETHANE	5	U
71-43-2-----	BENZENE	5	
75-25-2-----	BROMOFORM	5	U
108-10-1-----	4-METHYL-2-PENTANONE	5	U
591-78-6-----	2-HEXANONE	5	U
127-18-4-----	TETRACHLOROETHENE	5	U
108-88-3-----	TOLUENE	2	J
79-34-5-----	1 1 2 2-TETRACHLOROETHANE	5	U
108-90-7-----	CHLOROBENZENE	79	
100-41-4-----	ETHYL BENZENE	32	
100-42-5-----	STYRENE	5	U
156-59-2-----	cis-1 2-DICHLOROETHENE	5	U
156-60-5-----	trans-1 2-DICHLOROETHENE	5	U
13-302-07-----	m,p-XYLENES	75	
95-47-6-----	o-XYLENE	13	
106-93-4-----	1 2-DIBROMOETHANE	5	U
630-20-6-----	1 1 1 2-TETRACHLOROETHANE	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FHGW101

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) WATER

Lab Sample ID: 28055.03

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: UL732.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. _____

Date Analyzed: 12/27/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.

COMPOUND

Q

96-18-4-----1 2 3-TRICHLOROPROPANE	5	U
75-71-8-----DICHLORODIFLUOROMETHANE	5	U
75-69-4-----TRICHLOROFLUOROMETHANE	5	U
74-95-3-----DIBROMOMETHANE	5	U
96-12-8-----1 2-DIBROMO-3-CHLOROPROPANE	5	U
108-86-1-----BROMOBENZENE	5	U
104-51-8-----n-BUTYLBENZENE	5	U
98-06-6-----tert-BUTYLBENZENE	5	U
135-98-8-----sec-BUTYLBENZENE	5	U
95-49-8-----2-CHLOROTOLUENE	5	U
106-43-4-----4-CHLOROTOLUENE	5	U
95-50-1-----1 2-DICHLOROBENZENE	5	U
541-73-1-----1 3-DICHLOROBENZENE	5	U
106-46-7-----1 4-DICHLOROBENZENE	39	
142-28-9-----1 3-DICHLOROPROPANE	5	U
594-20-7-----2 2-DICHLOROPROPANE	5	U
563-58-6-----1 1-DICHLOROPROPENE	5	U
87-68-3-----HEXACHLOROBUTADIENE	5	U
98-82-8-----ISOPROPYLBENZENE	6	
99-87-6-----p-ISOPROPYLTOLUENE	5	U
91-20-3-----NAPHTHALENE	78	
103-65-1-----n-PROPYLBENZENE	9	
87-61-6-----1 2 3-TRICHLOROBENZENE	5	U
120-82-1-----1 2 4-TRICHLOROBENZENE	5	U
95-63-6-----1 2 4-TRIMETHYLBENZENE	49	
108-67-8-----1 3 5-TRIMETHYLBENZENE	7	
74-97-5-----BROMOCHLOROMETHANE	5	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FHGW101

Lab Name: SWL-TULSA

Contract: FT. HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) WATER

Lab Sample ID: 28055.03

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: FFK878.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 0 dec.

Date Extracted: 12/23/96

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 01/08/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 6.7

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(2-Chloroethyl) ether	10	U
95-57-8-----	2-Chlorophenol	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	27	
100-51-6-----	Benzyl alcohol	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	bis(2-Chloroisopropyl) ether	10	U
106-44-5-----	4-Methylphenol	5	J
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
65-85-0-----	Benzoic Acid	50	U
111-91-1-----	bis(2-Chloroethoxy) methane	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	50	
106-47-8-----	4-Chloroaniline	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	7	J
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	50	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	50	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FHGW101

Lab Name: SWL-TULSA

Contract: FT. HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) WATER

Lab Sample ID: 28055.03

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: FFK878.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 0 dec.

Date Extracted: 12/23/96

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 01/08/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 6.7

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

99-09-2-----	3-Nitroaniline	50	U
83-32-9-----	Acenaphthene	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
51-28-5-----	2,4-Dinitrophenol	50	U
100-02-7-----	4-Nitrophenol	50	U
132-64-9-----	Dibenzofuran	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	50	U
534-52-1-----	4,6-Dinitro-2-methylphenol	50	U
86-30-6-----	N-Nitrosodiphenylamine (1)	15	
101-55-3-----	4-Bromophenylphenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	50	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	20	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	9	J
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenz(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U
110-86-1-----	Pyridine	50	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FHGW101

Lab Name: SWL-TULSA

Contract: FT. HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) WATER

Lab Sample ID: 28055.03

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: FFK878.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 0 dec.

Date Extracted: 12/23/96

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 01/08/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 6.7

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

95-94-3-----1,2,4,5-Tetrachlorobenzene__

10

U

1

INORGANIC ANALYSES DATA SHEET

05503

Concentration Units (ug/L or mg/kg dry weight): UG/L

[illegible]

Texture: _____
Artifacts: _____

CLIENT ID= FHGW101

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FHGW201

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) WATER

Lab Sample ID: 28055.16

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: UL737.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. _____

Date Analyzed: 12/27/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

74-87-3-----	CHLOROMETHANE	5	U
74-83-9-----	BROMOMETHANE	5	U
75-01-4-----	VINYL CHLORIDE	16	
75-00-3-----	CHLOROETHANE	5	U
75-09-2-----	METHYLENE CHLORIDE	5	U
67-64-1-----	ACETONE	13	
75-35-4-----	1 1-DICHLOROETHENE	5	U
75-34-3-----	1 1-DICHLOROETHANE	5	U
67-66-3-----	CHLOROFORM	5	U
107-06-2-----	1 2-DICHLOROETHANE	5	U
78-93-3-----	2-BUTANONE	5	U
71-55-6-----	1 1 1-TRICHLOROETHANE	5	U
56-23-5-----	CARBON TETRACHLORIDE	5	U
75-27-4-----	BROMODICHLOROMETHANE	5	U
78-87-5-----	1 2-DICHLOROPROPANE	5	U
79-01-6-----	TRICHLOROETHENE	5	U
124-48-1-----	DIBROMOCHLOROMETHANE	5	U
79-00-5-----	1 1 2-TRICHLOROETHANE	5	U
71-43-2-----	BENZENE	4	J
75-25-2-----	BROMOFORM	5	U
108-10-1-----	4-METHYL-2-PENTANONE	5	U
591-78-6-----	2-HEXANONE	5	U
127-18-4-----	TETRACHLOROETHENE	5	U
108-88-3-----	TOLUENE	2	J
79-34-5-----	1 1 2 2-TETRACHLOROETHANE	5	U
108-90-7-----	CHLOROBENZENE	73	
100-41-4-----	ETHYL BENZENE	30	
100-42-5-----	STYRENE	5	U
156-59-2-----	cis-1 2-DICHLOROETHENE	5	U
156-60-5-----	trans-1 2-DICHLOROETHENE	5	U
13-302-07-----	m,p-XYLENES	69	
95-47-6-----	o-XYLENE	13	
106-93-4-----	1 2-DIBROMOETHANE	5	U
630-20-6-----	1 1 1 2-TETRACHLOROETHANE	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FHGW201

Lab Name: SWL-TULSA

Contract: FT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) WATER

Lab Sample ID: 28055.16

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: UL737.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. _____

Date Analyzed: 12/27/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.

COMPOUND

96-18-4-----1 2 3-TRICHLOROPROPANE	5	U
75-71-8-----DICHLORODIFLUOROMETHANE	5	U
75-69-4-----TRICHLOROFUOROMETHANE	5	U
74-95-3-----DIBROMOMETHANE	5	U
96-12-8-----1 2-DIBROMO-3-CHLOROPROPANE	5	U
108-86-1-----BROMOBENZENE	5	U
104-51-8-----n-BUTYLBENZENE	5	U
98-06-6-----tert-BUTYLBENZENE	5	U
135-98-8-----sec-BUTYLBENZENE	5	U
95-49-8-----2-CHLOROTOLUENE	5	U
106-43-4-----4-CHLOROTOLUENE	5	U
95-50-1-----1 2-DICHLOROBENZENE	5	U
541-73-1-----1 3-DICHLOROBENZENE	5	U
106-46-7-----1 4-DICHLOROBENZENE	39	
142-28-9-----1 3-DICHLOROPROPANE	5	U
594-20-7-----2 2-DICHLOROPROPANE	5	U
563-58-6-----1 1-DICHLOROPROPENE	5	U
87-68-3-----HEXACHLOROBUTADIENE	5	U
98-82-8-----ISOPROPYLBENZENE	5	
99-87-6-----p-ISOPROPYLTOLUENE	5	U
91-20-3-----NAPHTHALENE	78	
103-65-1-----n-PROPYLBENZENE	9	
87-61-6-----1 2 3-TRICHLOROBENZENE	5	U
120-82-1-----1 2 4-TRICHLOROBENZENE	5	U
95-63-6-----1 2 4-TRIMETHYLBENZENE	48	
108-67-8-----1 3 5-TRIMETHYLBENZENE	6	
74-97-5-----BROMOCHLOROMETHANE	5	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FHGW201

Lab Name: SWL-TULSA

Contract: FT. HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) WATER

Lab Sample ID: 28055.16

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: FFK897.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 0 dec.

Date Extracted: 12/23/96

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 01/09/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 6.7

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

108-95-2-----Phenol	10	U
111-44-4-----bis(2-Chloroethyl)ether	10	U
95-57-8-----2-Chlorophenol	10	U
541-73-1-----1,3-Dichlorobenzene	10	U
106-46-7-----1,4-Dichlorobenzene	30	
100-51-6-----Benzyl alcohol	10	U
95-50-1-----1,2-Dichlorobenzene	10	U
95-48-7-----2-Methylphenol	10	U
108-60-1-----bis(2-Chloroisopropyl)ether	10	U
106-44-5-----4-Methylphenol	6	J
621-64-7-----N-Nitroso-di-n-propylamine	10	U
67-72-1-----Hexachloroethane	10	U
98-95-3-----Nitrobenzene	10	U
78-59-1-----Isophorone	10	U
88-75-5-----2-Nitrophenol	10	U
105-67-9-----2,4-Dimethylphenol	10	U
65-85-0-----Benzoic Acid	50	U
111-91-1-----bis(2-Chloroethoxy)methane	10	U
120-83-2-----2,4-Dichlorophenol	10	U
120-82-1-----1,2,4-Trichlorobenzene	10	U
91-20-3-----Naphthalene	54	
106-47-8-----4-Chloroaniline	10	U
87-68-3-----Hexachlorobutadiene	10	U
59-50-7-----4-Chloro-3-methylphenol	10	U
91-57-6-----2-Methylnaphthalene	6	J
77-47-4-----Hexachlorocyclopentadiene	10	U
88-06-2-----2,4,6-Trichlorophenol	10	U
95-95-4-----2,4,5-Trichlorophenol	50	U
91-58-7-----2-Chloronaphthalene	10	U
88-74-4-----2-Nitroaniline	50	U
131-11-3-----Dimethylphthalate	10	U
208-96-8-----Acenaphthylene	10	U
606-20-2-----2,6-Dinitrotoluene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FHGW201

Lab Name: SWL-TULSA

Contract: FT. HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) WATER

Lab Sample ID: 28055.16

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: FFK897.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 0 dec.

Date Extracted: 12/23/96

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 01/09/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 6.7

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

99-09-2-----3-Nitroaniline	50	U
83-32-9-----Acenaphthene	10	U
121-14-2-----2,4-Dinitrotoluene	10	U
51-28-5-----2,4-Dinitrophenol	50	U
100-02-7-----4-Nitrophenol	50	U
132-64-9-----Dibenzofuran	10	U
84-66-2-----Diethylphthalate	3	J
7005-72-3-----4-Chlorophenyl-phenylether	10	U
86-73-7-----Fluorene	1	J
100-01-6-----4-Nitroaniline	50	U
534-52-1-----4,6-Dinitro-2-methylphenol	50	U
86-30-6-----N-Nitrosodiphenylamine (1)	15	
101-55-3-----4-Bromophenylphenylether	10	U
118-74-1-----Hexachlorobenzene	10	U
87-86-5-----Pentachlorophenol	50	U
85-01-8-----Phenanthrene	10	U
120-12-7-----Anthracene	10	U
84-74-2-----Di-n-butylphthalate	10	U
206-44-0-----Fluoranthene	10	U
129-00-0-----Pyrene	10	U
85-68-7-----Butylbenzylphthalate	10	U
91-94-1-----3,3'-Dichlorobenzidine	20	U
56-55-3-----Benzo(a)anthracene	10	U
218-01-9-----Chrysene	10	U
117-81-7-----bis(2-Ethylhexyl)phthalate	7	J
117-84-0-----Di-n-octylphthalate	3	J
205-99-2-----Benzo(b)fluoranthene	10	U
207-08-9-----Benzo(k)fluoranthene	10	U
50-32-8-----Benzo(a)pyrene	10	U
193-39-5-----Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----Dibenz(a,h)anthracene	10	U
191-24-2-----Benzo(g,h,i)perylene	10	U
110-86-1-----Pyridine	50	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FHGW201

Lab Name: SWL-TULSA

Contract: FT. HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) WATER

Lab Sample ID: 28055.16

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: FFK897.D

Level: (low/med) LOW

Date Received: 12/21/96

% Moisture: not dec. 0 dec.

Date Extracted: 12/23/96

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 01/09/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 6.7

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
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95-94-3-----	1,2,4,5-Tetrachlorobenzene		
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FHGW201RE

Lab Name: SWL-TULSA

Contract: FT. HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) WATER

Lab Sample ID: 28055.16RA

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: FFK936.D

Level: (low/med) LOW

Date Received: 12/21/97

% Moisture: not dec. 0 dec.

Date Extracted: 12/23/96

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 01/10/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 6.7

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

108-95-2-----Phenol	10	U
111-44-4-----bis(2-Chloroethyl)ether	10	U
95-57-8-----2-Chlorophenol	10	U
541-73-1-----1,3-Dichlorobenzene	10	U
106-46-7-----1,4-Dichlorobenzene	30	
100-51-6-----Benzyl alcohol	10	U
95-50-1-----1,2-Dichlorobenzene	10	U
95-48-7-----2-Methylphenol	10	U
108-60-1-----bis(2-Chloroisopropyl)ether	10	U
106-44-5-----4-Methylphenol	6	J
621-64-7-----N-Nitroso-di-n-propylamine	10	U
67-72-1-----Hexachloroethane	10	U
98-95-3-----Nitrobenzene	10	U
78-59-1-----Isophorone	10	U
88-75-5-----2-Nitrophenol	10	U
105-67-9-----2,4-Dimethylphenol	10	U
65-85-0-----Benzoic Acid	50	U
111-91-1-----bis(2-Chloroethoxy)methane	10	U
120-83-2-----2,4-Dichlorophenol	10	U
120-82-1-----1,2,4-Trichlorobenzene	10	U
91-20-3-----Naphthalene	56	
106-47-8-----4-Chloroaniline	10	U
87-68-3-----Hexachlorobutadiene	10	U
59-50-7-----4-Chloro-3-methylphenol	10	U
91-57-6-----2-Methylnaphthalene	7	J
77-47-4-----Hexachlorocyclopentadiene	10	U
88-06-2-----2,4,6-Trichlorophenol	10	U
95-95-4-----2,4,5-Trichlorophenol	50	U
91-58-7-----2-Chloronaphthalene	10	U
88-74-4-----2-Nitroaniline	50	U
131-11-3-----Dimethylphthalate	10	U
208-96-8-----Acenaphthylene	10	U
606-20-2-----2,6-Dinitrotoluene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FHGW201RE

Lab Name: SWL-TULSA

Contract: FT. HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) WATER

Lab Sample ID: 28055.16RA

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: FFK936.D

Level: (low/med) LOW

Date Received: 12/21/97

% Moisture: not dec. 0 dec.

Date Extracted: 12/23/96

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 01/10/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 6.7

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.

COMPOUND

Q

99-09-2-----	3-Nitroaniline	50	U
83-32-9-----	Acenaphthene	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
51-28-5-----	2,4-Dinitrophenol	50	U
100-02-7-----	4-Nitrophenol	50	U
132-64-9-----	Dibenzofuran	10	U
84-66-2-----	Diethylphthalate	3	J
7005-72-3-----	4-Chlorophenyl-phenylether	10	J
86-73-7-----	Fluorene	1	J
100-01-6-----	4-Nitroaniline	50	U
534-52-1-----	4,6-Dinitro-2-methylphenol	50	U
86-30-6-----	N-Nitrosodiphenylamine (1)	11	
101-55-3-----	4-Bromophenylphenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	50	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	20	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	
117-84-0-----	Di-n-octylphthalate	6	J
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenz(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U
110-86-1-----	Pyridine	50	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FHGW201RE

Lab Name: SWL-TULSA

Contract: FT. HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 28055

Matrix: (soil/water) WATER

Lab Sample ID: 28055.16RA

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: FFK936.D

Level: (low/med) LOW

Date Received: 12/21/97

% Moisture: not dec. 0 dec.

Date Extracted: 12/23/96

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 01/10/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 6.7

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

95-94-3-----	1,2,4,5-Tetrachlorobenzene	10	U
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1

INORGANIC ANALYSES DATA SHEET

05516

Concentration Units (ug/L or mg/kg dry weight): UG/L

[illegible]

Texture: _____
Artifacts: _____

CLIENT=FHWG201

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB117

ab Name: SWL-TULSA

Contract: FORT HOOD

ab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 33998

atrix: (soil/water) SOIL

Lab Sample ID: 33998.01

ample wt/vol: 5.0 (g/mL) G

Lab File ID: I27130.D

evel: (low/med) LOW

Date Received: 05/16/98

Moisture: not dec. 6

Date Analyzed: 05/20/98

olumn: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.

COMPOUND

74-87-3	CHLOROMETHANE	5	U
74-83-9	BROMOMETHANE	5	U
75-01-4	VINYL CHLORIDE	5	U
75-00-3	CHLOROETHANE	5	U
75-09-2	METHYLENE CHLORIDE	18	B
67-64-1	ACETONE	6	
75-35-4	1 1-DICHLOROETHENE	5	U
75-34-3	1 1-DICHLOROETHANE	5	U
67-66-3	CHLOROFORM	2	J
107-06-2	1 2-DICHLOROETHANE	5	U
78-93-3	2-BUTANONE	5	U
71-55-6	1 1 1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1 2-DICHLOROPROPANE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1 1 2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
75-25-2	BROMOFORM	3	J
108-10-1	4-METHYL-2-PENTANONE	5	U
591-78-6	2-HEXANONE	5	U
127-18-4	TETRACHLOROETHENE	5	U
108-88-3	TOLUENE	5	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	3	J
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYL BENZENE	5	U
100-42-5	STYRENE	5	U
156-59-2	cis-1 2-DICHLOROETHENE	5	U
156-60-5	trans-1 2-DICHLOROETHENE	5	U
13-302-07	m,p-XYLENES	5	U
95-47-6	o-XYLENE	5	U
106-93-4	1 2-DIBROMOETHANE	5	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB117

Lab Name: SWL-TULSA

Contract: FORT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 33998

Matrix: (soil/water) SOIL

Lab Sample ID: 33998.01

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I27130.D

Level: (low/med) LOW

Date Received: 05/16/98

Moisture: not dec. 6

Date Analyzed: 05/20/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.

COMPOUND

96-18-4-----1 2 3-TRICHLOROPROPANE	5	U
75-71-8-----DICHLORODIFLUOROMETHANE	5	U
75-69-4-----TRICHLOROFLUOROMETHANE	5	U
74-95-3-----DIBROMOMETHANE	5	U
96-12-8-----1 2-DIBROMO-3-CHLOROPROPANE	5	U
108-86-1-----BROMOBENZENE	5	U
104-51-8-----n-BUTYLBENZENE	5	U
98-06-6-----tert-BUTYLBENZENE	5	U
135-98-8-----sec-BUTYLBENZENE	5	U
95-49-8-----2-CHLOROTOLUENE	5	U
106-43-4-----4-CHLOROTOLUENE	5	U
95-50-1-----1 2-DICHLOROBENZENE	5	U
541-73-1-----1 3-DICHLOROBENZENE	5	U
106-46-7-----1 4-DICHLOROBENZENE	5	U
142-28-9-----1 3-DICHLOROPROPANE	5	U
594-20-7-----2 2-DICHLOROPROPANE	5	U
563-58-6-----1 1-DICHLOROPROPENE	5	U
87-68-3-----HEXACHLOROBUTADIENE	5	U
98-82-8-----ISOPROPYLBENZENE	5	U
99-87-6-----p-ISOPROPYLTOLUENE	5	U
91-20-3-----NAPHTHALENE	5	U
103-65-1-----n-PROPYLBENZENE	5	U
87-61-6-----1 2 3-TRICHLOROBENZENE	5	U
120-82-1-----1 2 4-TRICHLOROBENZENE	5	U
95-63-6-----1 2 4-TRIMETHYLBENZENE	5	U
108-67-8-----1 3 5-TRIMETHYLBENZENE	5	U
74-97-5-----BROMOCHLOROMETHANE	5	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB117

Lab Name: SWL-TULSA

Contract: FORT HOOD O

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 33998

Matrix: (soil/water) SOIL

Lab Sample ID: 33998.01

Sample wt/vol: 31.7 (g/mL) G

Lab File ID: M10326.D

Level: (low/med) LOW

Date Received: 05/16/98

% Moisture: not dec. 6 dec.

Date Extracted: 05/18/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 05/19/98

Concentrated Extract Volume: 1000 (uL)

GPC Cleanup: (Y/N) N

pH: 8.8

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

108-95-2-----	Phenol	330	U
111-44-4-----	bis(2-Chloroethyl) ether	330	U
95-57-8-----	2-Chlorophenol	330	U
541-73-1-----	1,3-Dichlorobenzene	330	U
106-46-7-----	1,4-Dichlorobenzene	330	U
100-51-6-----	Benzyl alcohol	330	U
95-50-1-----	1,2-Dichlorobenzene	330	U
95-48-7-----	2-Methylphenol	330	U
108-60-1-----	bis(2-Chloroisopropyl) ether	330	U
106-44-5-----	4-Methylphenol	330	U
621-64-7-----	N-Nitroso-di-n-propylamine	330	U
67-72-1-----	Hexachloroethane	330	U
98-95-3-----	Nitrobenzene	330	U
78-59-1-----	Isophorone	330	U
88-75-5-----	2-Nitrophenol	330	U
105-67-9-----	2,4-Dimethylphenol	330	U
65-85-0-----	Benzoic Acid	1600	U
111-91-1-----	bis(2-Chloroethoxy) methane	330	U
120-83-2-----	2,4-Dichlorophenol	330	U
120-82-1-----	1,2,4-Trichlorobenzene	330	U
91-20-3-----	Naphthalene	330	U
106-47-8-----	4-Chloroaniline	330	U
87-68-3-----	Hexachlorobutadiene	330	U
59-50-7-----	4-Chloro-3-methylphenol	330	U
91-57-6-----	2-Methylnaphthalene	330	U
77-47-4-----	Hexachlorocyclopentadiene	330	U
88-06-2-----	2,4,6-Trichlorophenol	330	U
95-95-4-----	2,4,5-Trichlorophenol	1600	U
91-58-7-----	2-Chloronaphthalene	330	U
88-74-4-----	2-Nitroaniline	1600	U
131-11-3-----	Dimethylphthalate	330	U
208-96-8-----	Acenaphthylene	330	U
606-20-2-----	2,6-Dinitrotoluene	330	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB117

Lab Name: SWL-TULSA

Contract: FORT HOOD O

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 33998

Matrix: (soil/water) SOIL

Lab Sample ID: 33998.01

Sample wt/vol: 31.7 (g/mL) G

Lab File ID: M10326.D

Level: (low/med) LOW

Date Received: 05/16/98

% Moisture: not dec. 6 dec.

Date Extracted: 05/18/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 05/19/98

Concentrated Extract Volume: 1000 (uL)

GPC Cleanup: (Y/N) N

pH: 8.8

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

99-09-2-----	3-Nitroaniline	1600	U
83-32-9-----	Acenaphthene	330	U
121-14-2-----	2,4-Dinitrotoluene	330	U
51-28-5-----	2,4-Dinitrophenol	1600	U
100-02-7-----	4-Nitrophenol	1600	U
132-64-9-----	Dibenzofuran	330	U
84-66-2-----	Diethylphthalate	330	U
7005-72-3-----	4-Chlorophenyl-phenylether	330	U
86-73-7-----	Fluorene	330	U
100-01-6-----	4-Nitroaniline	1600	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1600	U
86-30-6-----	N-Nitrosodiphenylamine (1)	330	U
101-55-3-----	4-Bromophenylphenylether	330	U
118-74-1-----	Hexachlorobenzene	330	U
87-86-5-----	Pentachlorophenol	1600	U
85-01-8-----	Phenanthrene	330	U
120-12-7-----	Anthracene	330	U
84-74-2-----	Di-n-butylphthalate	330	U
206-44-0-----	Fluoranthene	330	U
129-00-0-----	Pyrene	330	U
85-68-7-----	Butylbenzylphthalate	330	U
91-94-1-----	3,3'-Dichlorobenzidine	660	U
56-55-3-----	Benzo(a)anthracene	330	U
218-01-9-----	Chrysene	330	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	330	U
117-84-0-----	Di-n-octylphthalate	330	U
205-99-2-----	Benzo(b)fluoranthene	330	U
207-08-9-----	Benzo(k)fluoranthene	330	U
50-32-8-----	Benzo(a)pyrene	330	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	330	U
53-70-3-----	Dibenz(a,h)anthracene	330	U
191-24-2-----	Benzo(g,h,i)perylene	330	U
110-86-1-----	Pyridine	330	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB117

Lab Name: SWL-TULSA

Contract: FORT HOOD O

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 33998

Matrix: (soil/water) SOIL

Lab Sample ID: 33998.01

Sample wt/vol: 31.7 (g/mL) G

Lab File ID: M10326.D

Level: (low/med) LOW

Date Received: 05/16/98

% Moisture: not dec. 6 dec.

Date Extracted: 05/18/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 05/19/98

Concentrated Extract Volume: 1000 (uL)

GPC Cleanup: (Y/N) N

pH: 8.8

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

95-94-3-----1,2,4,5-Tetrachlorobenzene__

330

U

CLIENT SAMPLE ID

10SB117

Concentration Units (ug/L or mg/kg dry weight): MG/KG

[illegible]

Texture: MEDIUM
Artifacts: _____

Results:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB118

Lab Name: SWL-TULSA

Contract: FORT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 33998

Matrix: (soil/water) SOIL

Lab Sample ID: 33998.02

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I27131.D

Level: (low/med) LOW

Date Received: 05/16/98

Moisture: not dec. 8

Date Analyzed: 05/20/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.

COMPOUND

74-87-3-----	CHLOROMETHANE	5	U
74-83-9-----	BROMOMETHANE	5	U
75-01-4-----	VINYL CHLORIDE	5	U
75-00-3-----	CHLOROETHANE	5	U
75-09-2-----	METHYLENE CHLORIDE	17	B
67-64-1-----	ACETONE	2	J
75-35-4-----	1 1-DICHLOROETHENE	5	U
75-34-3-----	1 1-DICHLOROETHANE	5	U
67-66-3-----	CHLOROFORM	5	U
107-06-2-----	1 2-DICHLOROETHANE	5	U
78-93-3-----	2-BUTANONE	5	U
71-55-6-----	1 1 1-TRICHLOROETHANE	5	U
56-23-5-----	CARBON TETRACHLORIDE	5	U
75-27-4-----	BROMODICHLOROMETHANE	5	U
78-87-5-----	1 2-DICHLOROPROPANE	5	U
79-01-6-----	TRICHLOROETHENE	5	U
124-48-1-----	DIBROMOCHLOROMETHANE	5	U
79-00-5-----	1 1 2-TRICHLOROETHANE	5	U
71-43-2-----	BENZENE	5	U
75-25-2-----	BROMOFORM	3	J
108-10-1-----	4-METHYL-2-PENTANONE	5	U
591-78-6-----	2-HEXANONE	5	U
127-18-4-----	TETRACHLOROETHENE	5	U
108-88-3-----	TOLUENE	4	J
79-34-5-----	1 1 2 2-TETRACHLOROETHANE	5	U
108-90-7-----	CHLOROBENZENE	5	U
100-41-4-----	ETHYL BENZENE	5	U
100-42-5-----	STYRENE	5	U
156-59-2-----	cis-1 2-DICHLOROETHENE	5	U
156-60-5-----	trans-1 2-DICHLOROETHENE	5	U
13-302-07-----	m,p-XYLENES	5	U
95-47-6-----	o-XYLENE	5	U
106-93-4-----	1 2-DIBROMOETHANE	5	U
630-20-6-----	1 1 1 2-TETRACHLOROETHANE	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB118

Lab Name: SWL-TULSA

Contract: FORT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 33998

Matrix: (soil/water) SOIL

Lab Sample ID: 33998.02

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I27131.D

Level: (low/med) LOW

Date Received: 05/16/98

Moisture: not dec. 8

Date Analyzed: 05/20/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.

COMPOUND

96-18-4-----1 2 3-TRICHLOROPROPANE	5	U
75-71-8-----DICHLORODIFLUOROMETHANE	5	U
75-69-4-----TRICHLOROFLUOROMETHANE	5	U
74-95-3-----DIBROMOMETHANE	5	U
96-12-8-----1 2-DIBROMO-3-CHLOROPROPANE	5	U
108-86-1-----BROMOBENZENE	5	U
104-51-8-----n-BUTYLBENZENE	6	
98-06-6-----tert-BUTYLBENZENE	5	U
135-98-8-----sec-BUTYLBENZENE	4	J
95-49-8-----2-CHLOROTOLUENE	5	U
106-43-4-----4-CHLOROTOLUENE	5	U
95-50-1-----1 2-DICHLOROBENZENE	5	U
541-73-1-----1 3-DICHLOROBENZENE	5	U
106-46-7-----1 4-DICHLOROBENZENE	5	U
142-28-9-----1 3-DICHLOROPROPANE	5	U
594-20-7-----2 2-DICHLOROPROPANE	5	U
563-58-6-----1 1-DICHLOROPROPENE	5	U
87-68-3-----HEXACHLOROBUTADIENE	5	U
98-82-8-----ISOPROPYLBENZENE	5	U
99-87-6-----p-ISOPROPYLTOLUENE	5	U
91-20-3-----NAPHTHALENE	5	U
103-65-1-----n-PROPYLBENZENE	4	J
87-61-6-----1 2 3-TRICHLOROBENZENE	5	U
120-82-1-----1 2 4-TRICHLOROBENZENE	5	U
95-63-6-----1 2 4-TRIMETHYLBENZENE	5	U
108-67-8-----1 3 5-TRIMETHYLBENZENE	5	U
74-97-5-----BROMOCHLOROMETHANE	5	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB118

Lab Name: SWL-TULSA

Contract: FORT HOOD O

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 33998

Matrix: (soil/water) SOIL

Lab Sample ID: 33998.02

Sample wt/vol: 31.2 (g/mL) G

Lab File ID: M10340.D

Level: (low/med) LOW

Date Received: 05/16/98

% Moisture: not dec. 8 dec.

Date Extracted: 05/18/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 05/20/98

Concentrated Extract Volume: 1000 (uL)

GPC Cleanup: (Y/N) N

pH: 9.2

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

108-95-2-----	Phenol	340	U
111-44-4-----	bis(2-Chloroethyl) ether	340	U
95-57-8-----	2-Chlorophenol	340	U
541-73-1-----	1,3-Dichlorobenzene	340	U
106-46-7-----	1,4-Dichlorobenzene	340	U
100-51-6-----	Benzyl alcohol	340	U
95-50-1-----	1,2-Dichlorobenzene	340	U
95-48-7-----	2-Methylphenol	340	U
108-60-1-----	bis(2-Chloroisopropyl) ether	340	U
106-44-5-----	4-Methylphenol	340	U
621-64-7-----	N-Nitroso-di-n-propylamine	340	U
67-72-1-----	Hexachloroethane	340	U
98-95-3-----	Nitrobenzene	340	U
78-59-1-----	Isophorone	340	U
88-75-5-----	2-Nitrophenol	340	U
105-67-9-----	2,4-Dimethylphenol	340	U
65-85-0-----	Benzoic Acid	1700	U
111-91-1-----	bis(2-Chloroethoxy) methane	340	U
120-83-2-----	2,4-Dichlorophenol	340	U
120-82-1-----	1,2,4-Trichlorobenzene	340	U
91-20-3-----	Naphthalene	340	U
106-47-8-----	4-Chloroaniline	340	U
87-68-3-----	Hexachlorobutadiene	340	U
59-50-7-----	4-Chloro-3-methylphenol	340	U
91-57-6-----	2-Methylnaphthalene	340	U
77-47-4-----	Hexachlorocyclopentadiene	340	U
88-06-2-----	2,4,6-Trichlorophenol	340	U
95-95-4-----	2,4,5-Trichlorophenol	1700	U
91-58-7-----	2-Chloronaphthalene	340	U
88-74-4-----	2-Nitroaniline	1700	U
131-11-3-----	Dimethylphthalate	340	U
208-96-8-----	Acenaphthylene	340	U
606-20-2-----	2,6-Dinitrotoluene	340	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB118

Lab Name: SWL-TULSA

Contract: FORT HOOD O

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 33998

Matrix: (soil/water) SOIL

Lab Sample ID: 33998.02

Sample wt/vol: 31.2 (g/mL) G

Lab File ID: M10340.D

Level: (low/med) LOW

Date Received: 05/16/98

% Moisture: not dec. 8 dec.

Date Extracted: 05/18/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 05/20/98

Concentrated Extract Volume: 1000 (uL)

GPC Cleanup: (Y/N) N

pH: 9.2

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

99-09-2-----	3-Nitroaniline	1700	U
83-32-9-----	Acenaphthene	340	U
121-14-2-----	2,4-Dinitrotoluene	340	U
51-28-5-----	2,4-Dinitrophenol	1700	U
100-02-7-----	4-Nitrophenol	1700	U
132-64-9-----	Dibenzofuran	340	U
84-66-2-----	Diethylphthalate	340	U
7005-72-3-----	4-Chlorophenyl-phenylether	340	U
86-73-7-----	Fluorene	340	U
100-01-6-----	4-Nitroaniline	1700	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1700	U
86-30-6-----	N-Nitrosodiphenylamine (1)	340	U
101-55-3-----	4-Bromophenylphenylether	340	U
118-74-1-----	Hexachlorobenzene	340	U
87-86-5-----	Pentachlorophenol	1700	U
85-01-8-----	Phenanthrene	340	U
120-12-7-----	Anthracene	340	U
84-74-2-----	Di-n-butylphthalate	340	U
206-44-0-----	Fluoranthene	340	U
129-00-0-----	Pyrene	340	U
85-68-7-----	Butylbenzylphthalate	340	U
91-94-1-----	3,3'-Dichlorobenzidine	690	U
56-55-3-----	Benzo(a)anthracene	340	U
218-01-9-----	Chrysene	340	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	340	U
117-84-0-----	Di-n-octylphthalate	340	U
205-99-2-----	Benzo(b)fluoranthene	340	U
207-08-9-----	Benzo(k)fluoranthene	340	U
50-32-8-----	Benzo(a)pyrene	340	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	340	U
53-70-3-----	Dibenz(a,h)anthracene	340	U
191-24-2-----	Benzo(g,h,i)perylene	340	U
110-86-1-----	Pyridine	340	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB118

Lab Name: SWL-TULSA

Contract: FORT HOOD O

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 33998

Matrix: (soil/water) SOIL

Lab Sample ID: 33998.02

Sample wt/vol: 31.2 (g/mL) G

Lab File ID: M10340.D

Level: (low/med) LOW

Date Received: 05/16/98

% Moisture: not dec. 8 dec.

Date Extracted: 05/18/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 05/20/98

Concentrated Extract Volume: 1000 (uL)

GPC Cleanup: (Y/N) N

pH: 9.2

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

95-94-3-----1,2,4,5-Tetrachlorobenzene__

340

U

CLIENT SAMPLE ID

10SB118

Concentration Units (ug/L or mg/kg dry weight): MG/KG

[illegible]

Texture: MEDIUM
Artifacts: _____

Comments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB119

Lab Name: SWL-TULSA

Contract: FORT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 33998

Matrix: (soil/water) SOIL

Lab Sample ID: 33998.03

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I27217.D

Level: (low/med) LOW

Date Received: 05/16/98

Moisture: not dec. 7

Date Analyzed: 05/26/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

74-87-3-----	CHLOROMETHANE	5	U
74-83-9-----	BROMOMETHANE	5	U
75-01-4-----	VINYL CHLORIDE	5	U
75-00-3-----	CHLOROETHANE	5	U
75-09-2-----	METHYLENE CHLORIDE	14	B
67-64-1-----	ACETONE	5	U
75-35-4-----	1 1-DICHLOROETHENE	5	U
75-34-3-----	1 1-DICHLOROETHANE	5	U
67-66-3-----	CHLOROFORM	5	U
107-06-2-----	1 2-DICHLOROETHANE	5	U
78-93-3-----	2-BUTANONE	5	U
71-55-6-----	1 1 1-TRICHLOROETHANE	5	U
56-23-5-----	CARBON TETRACHLORIDE	5	U
75-27-4-----	BROMODICHLOROMETHANE	5	U
78-87-5-----	1 2-DICHLOROPROPANE	5	U
79-01-6-----	TRICHLOROETHENE	5	U
124-48-1-----	DIBROMOCHLOROMETHANE	5	U
79-00-5-----	1 1 2-TRICHLOROETHANE	5	U
71-43-2-----	BENZENE	5	U
75-25-2-----	BROMOFORM	3	J
108-10-1-----	4-METHYL-2-PENTANONE	5	U
591-78-6-----	2-HEXANONE	5	U
127-18-4-----	TETRACHLOROETHENE	5	U
108-88-3-----	TOLUENE	2	J
79-34-5-----	1 1 2 2-TETRACHLOROETHANE	5	U
108-90-7-----	CHLOROBENZENE	5	U
100-41-4-----	ETHYL BENZENE	5	U
100-42-5-----	STYRENE	5	U
156-59-2-----	cis-1 2-DICHLOROETHENE	5	U
156-60-5-----	trans-1 2-DICHLOROETHENE	5	U
13-302-07-----	m,p-XYLENES	3	J
95-47-6-----	o-XYLENE	5	U
106-93-4-----	1 2-DIBROMOETHANE	5	U
630-20-6-----	1 1 1 2-TETRACHLOROETHANE	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB119

Lab Name: SWL-TULSA

Contract: FORT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 33998

Matrix: (soil/water) SOIL

Lab Sample ID: 33998.03

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I27217.D

Level: (low/med) LOW

Date Received: 05/16/98

Moisture: not dec. 7

Date Analyzed: 05/26/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

96-18-4-----1 2 3-TRICHLOROPROPANE	5	U
75-71-8-----DICHLORODIFLUOROMETHANE	5	U
75-69-4-----TRICHLOROFLUOROMETHANE	5	U
74-95-3-----DIBROMOMETHANE	5	U
96-12-8-----1 2-DIBROMO-3-CHLOROPROPANE	5	U
108-86-1-----BROMOBENZENE	5	U
104-51-8-----n-BUTYLBENZENE	5	U
98-06-6-----tert-BUTYLBENZENE	5	U
135-98-8-----sec-BUTYLBENZENE	5	U
95-49-8-----2-CHLOROTOLUENE	5	U
106-43-4-----4-CHLOROTOLUENE	5	U
95-50-1-----1 2-DICHLOROBENZENE	5	U
541-73-1-----1 3-DICHLOROBENZENE	5	U
106-46-7-----1 4-DICHLOROBENZENE	5	U
142-28-9-----1 3-DICHLOROPROPANE	5	U
594-20-7-----2 2-DICHLOROPROPANE	5	U
563-58-6-----1 1-DICHLOROPROPENE	5	U
87-68-3-----HEXACHLOROBUTADIENE	5	U
98-82-8-----ISOPROPYLBENZENE	5	U
99-87-6-----p-ISOPROPYLTOLUENE	5	U
91-20-3-----NAPHTHALENE	5	U
103-65-1-----n-PROPYLBENZENE	5	U
87-61-6-----1 2 3-TRICHLOROBENZENE	5	U
120-82-1-----1 2 4-TRICHLOROBENZENE	5	U
95-63-6-----1 2 4-TRIMETHYLBENZENE	5	U
108-67-8-----1 3 5-TRIMETHYLBENZENE	5	U
74-97-5-----BROMOCHLOROMETHANE	5	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB119

Lab Name: SWL-TULSA

Contract: FORT HOOD O

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 33998

Matrix: (soil/water) SOIL

Lab Sample ID: 33998.03

Sample wt/vol: 32.9 (g/mL) G

Lab File ID: M10327.D

Level: (low/med) LOW

Date Received: 05/16/98

% Moisture: not dec. 7 dec.

Date Extracted: 05/18/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 05/19/98

Concentrated Extract Volume: 1000 (uL)

GPC Cleanup: (Y/N) N

pH: 9.2

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	320	U
111-44-4-----	bis(2-Chloroethyl) ether	320	U
95-57-8-----	2-Chlorophenol	320	U
541-73-1-----	1,3-Dichlorobenzene	320	U
106-46-7-----	1,4-Dichlorobenzene	320	U
100-51-6-----	Benzyl alcohol	320	U
95-50-1-----	1,2-Dichlorobenzene	320	U
95-48-7-----	2-Methylphenol	320	U
108-60-1-----	bis(2-Chloroisopropyl) ether	320	U
106-44-5-----	4-Methylphenol	320	U
621-64-7-----	N-Nitroso-di-n-propylamine	320	U
67-72-1-----	Hexachloroethane	320	U
98-95-3-----	Nitrobenzene	320	U
78-59-1-----	Isophorone	320	U
88-75-5-----	2-Nitrophenol	320	U
105-67-9-----	2,4-Dimethylphenol	320	U
65-85-0-----	Benzoic Acid	1600	U
111-91-1-----	bis(2-Chloroethoxy) methane	320	U
120-83-2-----	2,4-Dichlorophenol	320	U
120-82-1-----	1,2,4-Trichlorobenzene	320	U
91-20-3-----	Naphthalene	320	U
106-47-8-----	4-Chloroaniline	320	U
87-68-3-----	Hexachlorobutadiene	320	U
59-50-7-----	4-Chloro-3-methylphenol	320	U
91-57-6-----	2-Methylnaphthalene	320	U
77-47-4-----	Hexachlorocyclopentadiene	320	U
88-06-2-----	2,4,6-Trichlorophenol	320	U
95-95-4-----	2,4,5-Trichlorophenol	1600	U
91-58-7-----	2-Chloronaphthalene	320	U
88-74-4-----	2-Nitroaniline	1600	U
131-11-3-----	Dimethylphthalate	320	U
208-96-8-----	Acenaphthylene	320	U
606-20-2-----	2,6-Dinitrotoluene	320	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB119

Lab Name: SWL-TULSA

Contract: FORT HOOD O

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 33998

Matrix: (soil/water) SOIL

Lab Sample ID: 33998.03

Sample wt/vol: 32.9 (g/mL) G

Lab File ID: M10327.D

Level: (low/med) LOW

Date Received: 05/16/98

% Moisture: not dec. 7 dec.

Date Extracted: 05/18/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 05/19/98

Concentrated Extract Volume: 1000 (uL)

GPC Cleanup: (Y/N) N

pH: 9.2

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

99-09-2-----	3-Nitroaniline	1600	U
83-32-9-----	Acenaphthene	320	U
121-14-2-----	2,4-Dinitrotoluene	320	U
51-28-5-----	2,4-Dinitrophenol	1600	U
100-02-7-----	4-Nitrophenol	1600	U
132-64-9-----	Dibenzofuran	320	U
84-66-2-----	Diethylphthalate	320	U
7005-72-3-----	4-Chlorophenyl-phenylether	320	U
86-73-7-----	Fluorene	320	U
100-01-6-----	4-Nitroaniline	1600	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1600	U
86-30-6-----	N-Nitrosodiphenylamine (1)	320	U
101-55-3-----	4-Bromophenylphenylether	320	U
118-74-1-----	Hexachlorobenzene	320	U
87-86-5-----	Pentachlorophenol	1600	U
85-01-8-----	Phenanthrene	320	U
120-12-7-----	Anthracene	320	U
84-74-2-----	Di-n-butylphthalate	320	U
206-44-0-----	Fluoranthene	320	U
129-00-0-----	Pyrene	320	U
85-68-7-----	Butylbenzylphthalate	320	U
91-94-1-----	3,3'-Dichlorobenzidine	650	U
56-55-3-----	Benzo(a)anthracene	320	U
218-01-9-----	Chrysene	320	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	320	U
117-84-0-----	Di-n-octylphthalate	320	U
205-99-2-----	Benzo(b)fluoranthene	320	U
207-08-9-----	Benzo(k)fluoranthene	320	U
50-32-8-----	Benzo(a)pyrene	320	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	320	U
53-70-3-----	Dibenz(a,h)anthracene	320	U
191-24-2-----	Benzo(g,h,i)perylene	320	U
110-86-1-----	Pyridine	320	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB119

Lab Name: SWL-TULSA

Contract: FORT HOOD O

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 33998

Matrix: (soil/water) SOIL

Lab Sample ID: 33998.03

Sample wt/vol: 32.9 (g/mL) G

Lab File ID: M10327.D

Level: (low/med) LOW

Date Received: 05/16/98

% Moisture: not dec. 7 dec.

Date Extracted: 05/18/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 05/19/98

Concentrated Extract Volume: 1000 (uL)

GPC Cleanup: (Y/N) N

pH: 9.2

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

95-94-3-----1,2,4,5-Tetrachlorobenzene__

320

U

CLIENT SAMPLE ID

b Name: SOUTHWEST_LAB_OF_OK_____ Contract: SAIC_____

b Code: SWOK_____ Case No.: 33998 SAS No.: _____ SDG No.: 33998A

trix (soil/water): SOIL_____ Lab Sample ID: 33998.03

vel (low/med): LOW_____ Date Received: 05/16/98

Solids: _____ 93.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Color Before: BROWN _____ Clarity Before: _____ Texture: MEDIUM
Color After: YELLOW _____ Clarity After: _____ Artifacts: _____

Comments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FHSB266

Lab Name: SWL-TULSA

Contract: FORT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 33998

Matrix: (soil/water) SOIL

Lab Sample ID: 33998.08

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I27220.D

Level: (low/med) LOW

Date Received: 05/16/98

Moisture: not dec. 7

Date Analyzed: 05/27/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

74-87-3	CHLOROMETHANE	5	U
74-83-9	BROMOMETHANE	5	U
75-01-4	VINYL CHLORIDE	5	U
75-00-3	CHLOROETHANE	5	U
75-09-2	METHYLENE CHLORIDE	10	B
67-64-1	ACETONE	5	U
75-35-4	1 1-DICHLOROETHENE	5	U
75-34-3	1 1-DICHLOROETHANE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1 2-DICHLOROETHANE	5	U
78-93-3	2-BUTANONE	5	U
71-55-6	1 1 1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1 2-DICHLOROPROPANE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1 1 2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
75-25-2	BROMOFORM	5	U
108-10-1	4-METHYL-2-PENTANONE	5	U
591-78-6	2-HEXANONE	5	U
127-18-4	TETRACHLOROETHENE	5	U
108-88-3	TOLUENE	5	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYL BENZENE	5	U
100-42-5	STYRENE	5	U
156-59-2	cis-1 2-DICHLOROETHENE	5	U
156-60-5	trans-1 2-DICHLOROETHENE	5	U
13-302-07	m,p-XYLENES	5	U
95-47-6	o-XYLENE	5	U
106-93-4	1 2-DIBROMOETHANE	5	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FHSB266

Lab Name: SWL-TULSA

Contract: FORT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 33998

Matrix: (soil/water) SOIL

Lab Sample ID: 33998.08

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I27220.D

Level: (low/med) LOW

Date Received: 05/16/98

Moisture: not dec. 7

Date Analyzed: 05/27/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.

COMPOUND

96-18-4-----1 2 3-TRICHLOROPROPANE	5	U
75-71-8-----DICHLORODIFLUOROMETHANE	5	U
75-69-4-----TRICHLOROFLUOROMETHANE	5	U
74-95-3-----DIBROMOMETHANE	5	U
96-12-8-----1 2-DIBROMO-3-CHLOROPROPANE	5	U
108-86-1-----BROMOBENZENE	5	U
104-51-8-----n-BUTYLBENZENE	5	U
98-06-6-----tert-BUTYLBENZENE	5	U
135-98-8-----sec-BUTYLBENZENE	5	U
95-49-8-----2-CHLOROTOLUENE	5	U
106-43-4-----4-CHLOROTOLUENE	5	U
95-50-1-----1 2-DICHLOROBENZENE	5	U
541-73-1-----1 3-DICHLOROBENZENE	5	U
106-46-7-----1 4-DICHLOROBENZENE	5	U
142-28-9-----1 3-DICHLOROPROPANE	5	U
594-20-7-----2 2-DICHLOROPROPANE	5	U
563-58-6-----1 1-DICHLOROPROPENE	5	U
87-68-3-----HEXACHLOROBUTADIENE	5	U
98-82-8-----ISOPROPYLBENZENE	5	U
99-87-6-----p-ISOPROPYLTOLUENE	5	U
91-20-3-----NAPHTHALENE	5	U
103-65-1-----n-PROPYLBENZENE	5	U
87-61-6-----1 2 3-TRICHLOROBENZENE	5	U
120-82-1-----1 2 4-TRICHLOROBENZENE	5	U
95-63-6-----1 2 4-TRIMETHYLBENZENE	5	U
108-67-8-----1 3 5-TRIMETHYLBENZENE	5	U
74-97-5-----BROMOCHLOROMETHANE	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FHSB266RE

Lab Name: SWL-TULSA

Contract: FORT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 33998

Matrix: (soil/water) SOIL

Lab Sample ID: 33998.08RA

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I27308.D

Level: (low/med) LOW

Date Received: 05/16/98

Moisture: not dec. 7

Date Analyzed: 06/03/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

74-87-3-----	CHLOROMETHANE	5	U
74-83-9-----	BROMOMETHANE	5	U
75-01-4-----	VINYL CHLORIDE	5	U
75-00-3-----	CHLOROETHANE	5	U
75-09-2-----	METHYLENE CHLORIDE	4	JB
67-64-1-----	ACETONE	17	
75-35-4-----	1 1-DICHLOROETHENE	5	U
75-34-3-----	1 1-DICHLOROETHANE	5	U
67-66-3-----	CHLOROFORM	5	U
107-06-2-----	1 2-DICHLOROETHANE	5	U
78-93-3-----	2-BUTANONE	5	U
71-55-6-----	1 1 1-TRICHLOROETHANE	5	U
56-23-5-----	CARBON TETRACHLORIDE	5	U
75-27-4-----	BROMODICHLOROMETHANE	5	U
78-87-5-----	1 2-DICHLOROPROPANE	5	U
79-01-6-----	TRICHLOROETHENE	5	U
124-48-1-----	DIBROMOCHLOROMETHANE	5	U
79-00-5-----	1 1 2-TRICHLOROETHANE	5	U
71-43-2-----	BENZENE	5	U
75-25-2-----	BROMOFORM	5	U
108-10-1-----	4-METHYL-2-PENTANONE	5	U
591-78-6-----	2-HEXANONE	5	U
127-18-4-----	TETRACHLOROETHENE	5	U
108-88-3-----	TOLUENE	5	U
79-34-5-----	1 1 2 2-TETRACHLOROETHANE	5	U
108-90-7-----	CHLOROBENZENE	5	U
100-41-4-----	ETHYL BENZENE	5	U
100-42-5-----	STYRENE	5	U
156-59-2-----	cis-1 2-DICHLOROETHENE	5	U
156-60-5-----	trans-1 2-DICHLOROETHENE	5	U
13-302-07-----	m,p-XYLENES	5	U
95-47-6-----	o-XYLENE	5	U
106-93-4-----	1 2-DIBROMOETHANE	5	U
630-20-6-----	1 1 1 2-TETRACHLOROETHANE	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FHSB266RE

Lab Name: SWL-TULSA

Contract: FORT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 33998

Matrix: (soil/water) SOIL

Lab Sample ID: 33998.08RA

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I27308.D

Level: (low/med) LOW

Date Received: 05/16/98

Moisture: not dec. 7

Date Analyzed: 06/03/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q
---------	----------	---

96-18-4-----1 2 3-TRICHLOROPROPANE	5	U
75-71-8-----DICHLORODIFLUOROMETHANE	5	U
75-69-4-----TRICHLOROFLUOROMETHANE	5	U
74-95-3-----DIBROMOMETHANE	5	U
96-12-8-----1 2-DIBROMO-3-CHLOROPROPANE	5	U
108-86-1-----BROMOBENZENE	5	U
104-51-8-----n-BUTYLBENZENE	5	U
98-06-6-----tert-BUTYLBENZENE	5	U
135-98-8-----sec-BUTYLBENZENE	5	U
95-49-8-----2-CHLOROTOLUENE	5	U
106-43-4-----4-CHLOROTOLUENE	5	U
95-50-1-----1 2-DICHLOROBENZENE	5	U
541-73-1-----1 3-DICHLOROBENZENE	5	U
106-46-7-----1 4-DICHLOROBENZENE	5	U
142-28-9-----1 3-DICHLOROPROPANE	5	U
594-20-7-----2 2-DICHLOROPROPANE	5	U
563-58-6-----1 1-DICHLOROPROPENE	5	U
87-68-3-----HEXACHLOROBUTADIENE	5	U
98-82-8-----ISOPROPYLBENZENE	5	U
99-87-6-----p-ISOPROPYLTOLUENE	5	U
91-20-3-----NAPHTHALENE	5	U
103-65-1-----n-PROPYLBENZENE	5	U
87-61-6-----1 2 3-TRICHLOROBENZENE	5	U
120-82-1-----1 2 4-TRICHLOROBENZENE	5	U
95-63-6-----1 2 4-TRIMETHYLBENZENE	5	U
108-67-8-----1 3 5-TRIMETHYLBENZENE	5	U
74-97-5-----BROMOCHLOROMETHANE	5	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FHSB266

Lab Name: SWL-TULSA

Contract: FORT HOOD O

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 33998

Matrix: (soil/water) SOIL

Lab Sample ID: 33998.08

Sample wt/vol: 31.1 (g/mL) G

Lab File ID: M10328.D

Level: (low/med) LOW

Date Received: 05/16/98

% Moisture: not dec. 7 dec.

Date Extracted: 05/18/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 05/19/98

Concentrated Extract Volume: 1000 (uL)

GPC Cleanup: (Y/N) N

pH: 9.2

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

108-95-2	Phenol	340	U
111-44-4	bis(2-Chloroethyl) ether	340	U
95-57-8	2-Chlorophenol	340	U
541-73-1	1,3-Dichlorobenzene	340	U
106-46-7	1,4-Dichlorobenzene	340	U
100-51-6	Benzyl alcohol	340	U
95-50-1	1,2-Dichlorobenzene	340	U
95-48-7	2-Methylphenol	340	U
108-60-1	bis(2-Chloroisopropyl) ether	340	U
106-44-5	4-Methylphenol	340	U
621-64-7	N-Nitroso-di-n-propylamine	340	U
67-72-1	Hexachloroethane	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
65-85-0	Benzoic Acid	1600	U
111-91-1	bis(2-Chloroethoxy) methane	340	U
120-83-2	2,4-Dichlorophenol	340	U
120-82-1	1,2,4-Trichlorobenzene	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	340	U
59-50-7	4-Chloro-3-methylphenol	340	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorophenol	1600	U
91-58-7	2-Chloronaphthalene	340	U
88-74-4	2-Nitroaniline	1600	U
131-11-3	Dimethylphthalate	340	U
208-96-8	Acenaphthylene	340	U
606-20-2	2,6-Dinitrotoluene	340	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FHSB266

Lab Name: SWL-TULSA

Contract: FORT HOOD O

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 33998

Matrix: (soil/water) SOIL

Lab Sample ID: 33998.08

Sample wt/vol: 31.1 (g/mL) G

Lab File ID: M10328.D

Level: (low/med) LOW

Date Received: 05/16/98

% Moisture: not dec. 7 dec.

Date Extracted: 05/18/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 05/19/98

Concentrated Extract Volume: 1000 (uL)

GPC Cleanup: (Y/N) N

pH: 9.2

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

99-09-2-----	3-Nitroaniline	1600	U
83-32-9-----	Acenaphthene	340	U
121-14-2-----	2,4-Dinitrotoluene	340	U
51-28-5-----	2,4-Dinitrophenol	1600	U
100-02-7-----	4-Nitrophenol	1600	U
132-64-9-----	Dibenzofuran	340	U
84-66-2-----	Diethylphthalate	340	U
7005-72-3-----	4-Chlorophenyl-phenylether	340	U
86-73-7-----	Fluorene	340	U
100-01-6-----	4-Nitroaniline	1600	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1600	U
86-30-6-----	N-Nitrosodiphenylamine (1)	340	U
101-55-3-----	4-Bromophenylphenylether	340	U
118-74-1-----	Hexachlorobenzene	340	U
87-86-5-----	Pentachlorophenol	1600	U
85-01-8-----	Phenanthrene	340	U
120-12-7-----	Anthracene	340	U
84-74-2-----	Di-n-butylphthalate	340	U
206-44-0-----	Fluoranthene	340	U
129-00-0-----	Pyrene	340	U
85-68-7-----	Butylbenzylphthalate	340	U
91-94-1-----	3,3'-Dichlorobenzidine	680	U
56-55-3-----	Benzo(a)anthracene	340	U
218-01-9-----	Chrysene	340	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	340	U
117-84-0-----	Di-n-octylphthalate	340	U
205-99-2-----	Benzo(b)fluoranthene	340	U
207-08-9-----	Benzo(k)fluoranthene	340	U
50-32-8-----	Benzo(a)pyrene	340	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	340	U
53-70-3-----	Dibenz(a,h)anthracene	340	U
191-24-2-----	Benzo(g,h,i)perylene	340	U
110-86-1-----	Pyridine	340	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FHSB266

Lab Name: SWL-TULSA

Contract: FORT HOOD O

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 33998

Matrix: (soil/water) SOIL

Lab Sample ID: 33998.08

Sample wt/vol: 31.1 (g/mL) G

Lab File ID: M10328.D

Level: (low/med) LOW

Date Received: 05/16/98

% Moisture: not dec. 7 dec.

Date Extracted: 05/18/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 05/19/98

Concentrated Extract Volume: 1000 (uL)

GPC Cleanup: (Y/N) N

pH: 9.2

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

95-94-3-----1,2,4,5-Tetrachlorobenzene__

340

U

CLIENT SAMPLE ID

FHSB266

Concentration Units (ug/L or mg/kg dry weight): MG/KG

[illegible]

Color Before: BROWN Clarity Before: Texture: MEDIUM
Color After: YELLOW Clarity After: Artifacts:

ments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB120

Lab Name: SWL-TULSA

Contract: FORT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 34034

Matrix: (soil/water) SOIL

Lab Sample ID: 34034.01

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I27245.D

Level: (low/med) LOW

Date Received: 05/20/98

Moisture: not dec. 9

Date Analyzed: 05/27/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.

COMPOUND

74-87-3-----	CHLOROMETHANE	5	U
74-83-9-----	BROMOMETHANE	5	U
75-01-4-----	VINYL CHLORIDE	5	U
75-00-3-----	CHLOROETHANE	5	U
75-09-2-----	METHYLENE CHLORIDE	12	
67-64-1-----	ACETONE	9	
75-35-4-----	1 1-DICHLOROETHENE	5	U
75-34-3-----	1 1-DICHLOROETHANE	5	U
67-66-3-----	CHLOROFORM	5	U
107-06-2-----	1 2-DICHLOROETHANE	5	U
78-93-3-----	2-BUTANONE	5	U
71-55-6-----	1 1 1-TRICHLOROETHANE	5	U
56-23-5-----	CARBON TETRACHLORIDE	5	U
75-27-4-----	BROMODICHLOROMETHANE	5	U
78-87-5-----	1 2-DICHLOROPROPANE	5	U
79-01-6-----	TRICHLOROETHENE	5	U
124-48-1-----	DIBROMOCHLOROMETHANE	5	U
79-00-5-----	1 1 2-TRICHLOROETHANE	5	U
71-43-2-----	BENZENE	5	U
75-25-2-----	BROMOFORM	3	J
108-10-1-----	4-METHYL-2-PENTANONE	5	U
591-78-6-----	2-HEXANONE	5	U
127-18-4-----	TETRACHLOROETHENE	5	U
108-88-3-----	TOLUENE	5	U
79-34-5-----	1 1 2 2-TETRACHLOROETHANE	5	U
108-90-7-----	CHLOROBENZENE	5	U
100-41-4-----	ETHYL BENZENE	5	U
100-42-5-----	STYRENE	5	U
156-59-2-----	cis-1 2-DICHLOROETHENE	5	U
156-60-5-----	trans-1 2-DICHLOROETHENE	5	U
13-302-07-----	m,p-XYLENES	5	U
95-47-6-----	o-XYLENE	5	U
106-93-4-----	1 2-DIBROMOETHANE	5	U
630-20-6-----	1 1 1 2-TETRACHLOROETHANE	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB120

Lab Name: SWL-TULSA

Contract: FORT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 34034

Matrix: (soil/water) SOIL

Lab Sample ID: 34034.01

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I27245.D

Level: (low/med) LOW

Date Received: 05/20/98

Moisture: not dec. 9

Date Analyzed: 05/27/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

96-18-4-----1 2 3-TRICHLOROPROPANE	5	U
75-71-8-----DICHLORODIFLUOROMETHANE	5	U
75-69-4-----TRICHLOROFLUOROMETHANE	5	U
74-95-3-----DIBROMOMETHANE	5	U
96-12-8-----1 2-DIBROMO-3-CHLOROPROPANE	5	U
108-86-1-----BROMOBENZENE	5	U
104-51-8-----n-BUTYLBENZENE	5	U
98-06-6-----tert-BUTYLBENZENE	5	U
135-98-8-----sec-BUTYLBENZENE	5	U
95-49-8-----2-CHLOROTOLUENE	5	U
106-43-4-----4-CHLOROTOLUENE	5	U
95-50-1-----1 2-DICHLOROBENZENE	5	U
541-73-1-----1 3-DICHLOROBENZENE	5	U
106-46-7-----1 4-DICHLOROBENZENE	5	U
142-28-9-----1 3-DICHLOROPROPANE	5	U
594-20-7-----2 2-DICHLOROPROPANE	5	U
563-58-6-----1 1-DICHLOROPROPENE	5	U
87-68-3-----HEXACHLOROBUTADIENE	5	U
98-82-8-----ISOPROPYLBENZENE	5	U
99-87-6-----p-ISOPROPYLTOLUENE	5	U
91-20-3-----NAPHTHALENE	5	U
103-65-1-----n-PROPYLBENZENE	5	U
87-61-6-----1 2 3-TRICHLOROBENZENE	5	U
120-82-1-----1 2 4-TRICHLOROBENZENE	5	U
95-63-6-----1 2 4-TRIMETHYLBENZENE	5	U
108-67-8-----1 3 5-TRIMETHYLBENZENE	5	U
74-97-5-----BROMOCHLOROMETHANE	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB120RE

Lab Name: SWL-TULSA

Contract: FORT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 34034

Matrix: (soil/water) SOIL

Lab Sample ID: 34034.01RA

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I27247.D

Level: (low/med) LOW

Date Received: 05/20/98

Moisture: not dec. 9

Date Analyzed: 05/27/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

74-87-3-----	CHLOROMETHANE	5	U
74-83-9-----	BROMOMETHANE	5	U
75-01-4-----	VINYL CHLORIDE	5	U
75-00-3-----	CHLOROETHANE	5	U
75-09-2-----	METHYLENE CHLORIDE	9	
67-64-1-----	ACETONE	5	U
75-35-4-----	1 1-DICHLOROETHENE	5	U
75-34-3-----	1 1-DICHLOROETHANE	5	U
67-66-3-----	CHLOROFORM	5	U
107-06-2-----	1 2-DICHLOROETHANE	5	U
78-93-3-----	2-BUTANONE	5	U
71-55-6-----	1 1 1-TRICHLOROETHANE	5	U
56-23-5-----	CARBON TETRACHLORIDE	5	U
75-27-4-----	BROMODICHLOROMETHANE	5	U
78-87-5-----	1 2-DICHLOROPROPANE	5	U
79-01-6-----	TRICHLOROETHENE	5	U
124-48-1-----	DIBROMOCHLOROMETHANE	5	U
79-00-5-----	1 1 2-TRICHLOROETHANE	5	U
71-43-2-----	BENZENE	5	U
75-25-2-----	BROMOFORM	5	U
108-10-1-----	4-METHYL-2-PENTANONE	5	U
591-78-6-----	2-HEXANONE	5	U
127-18-4-----	TETRACHLOROETHENE	5	U
108-88-3-----	TOLUENE	5	U
79-34-5-----	1 1 2 2-TETRACHLOROETHANE	5	U
108-90-7-----	CHLOROBENZENE	5	U
100-41-4-----	ETHYL BENZENE	5	U
100-42-5-----	STYRENE	5	U
156-59-2-----	cis-1 2-DICHLOROETHENE	5	U
156-60-5-----	trans-1 2-DICHLOROETHENE	5	U
13-302-07-----	m,p-XYLENES	5	U
95-47-6-----	o-XYLENE	5	U
106-93-4-----	1 2-DIBROMOETHANE	5	U
630-20-6-----	1 1 1 2-TETRACHLOROETHANE	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB120RE

Lab Name: SWL-TULSA

Contract: FORT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 34034

Matrix: (soil/water) SOIL

Lab Sample ID: 34034.01RA

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I27247.D

Level: (low/med) LOW

Date Received: 05/20/98

Moisture: not dec. 9

Date Analyzed: 05/27/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.

COMPOUND

96-18-4-----1 2 3-TRICHLOROPROPANE	5	U
75-71-8-----DICHLORODIFLUOROMETHANE	5	U
75-69-4-----TRICHLOROFLUOROMETHANE	5	U
74-95-3-----DIBROMOMETHANE	5	U
96-12-8-----1 2-DIBROMO-3-CHLOROPROPANE	5	U
108-86-1-----BROMOBENZENE	5	U
104-51-8-----n-BUTYLBENZENE	5	U
98-06-6-----tert-BUTYLBENZENE	5	U
135-98-8-----sec-BUTYLBENZENE	5	U
95-49-8-----2-CHLOROTOLUENE	5	U
106-43-4-----4-CHLOROTOLUENE	5	U
95-50-1-----1 2-DICHLOROBENZENE	5	U
541-73-1-----1 3-DICHLOROBENZENE	5	U
106-46-7-----1 4-DICHLOROBENZENE	5	U
142-28-9-----1 3-DICHLOROPROPANE	5	U
594-20-7-----2 2-DICHLOROPROPANE	5	U
563-58-6-----1 1-DICHLOROPROPENE	5	U
87-68-3-----HEXACHLOROBUTADIENE	5	U
98-82-8-----ISOPROPYLBENZENE	5	U
99-87-6-----p-ISOPROPYLTOLUENE	5	U
91-20-3-----NAPHTHALENE	5	U
103-65-1-----n-PROPYLBENZENE	5	U
87-61-6-----1 2 3-TRICHLOROBENZENE	5	U
120-82-1-----1 2 4-TRICHLOROBENZENE	5	U
95-63-6-----1 2 4-TRIMETHYLBENZENE	5	U
108-67-8-----1 3 5-TRIMETHYLBENZENE	5	U
74-97-5-----BROMOCHLOROMETHANE	5	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB120

Lab Name: SWL-TULSA

Contract: FORT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 34034

Matrix: (soil/water) SOIL

Lab Sample ID: 34034.01

Sample wt/vol: 31.5 (g/mL) G

Lab File ID: M10393.D

Level: (low/med) LOW

Date Received: 05/20/98

% Moisture: not dec. 9 dec.

Date Extracted: 05/21/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 05/22/98

Concentrated Extract Volume: 1000 (uL)

GPC Cleanup: (Y/N) N

pH: 6.4

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

108-95-2-----	Phenol	340	U
111-44-4-----	bis(2-Chloroethyl) ether	340	U
95-57-8-----	2-Chlorophenol	340	U
541-73-1-----	1,3-Dichlorobenzene	340	U
106-46-7-----	1,4-Dichlorobenzene	340	U
100-51-6-----	Benzyl alcohol	340	U
95-50-1-----	1,2-Dichlorobenzene	340	U
95-48-7-----	2-Methylphenol	340	U
108-60-1-----	bis(2-Chloroisopropyl) ether	340	U
106-44-5-----	4-Methylphenol	340	U
621-64-7-----	N-Nitroso-di-n-propylamine	340	U
67-72-1-----	Hexachloroethane	340	U
98-95-3-----	Nitrobenzene	340	U
78-59-1-----	Isophorone	340	U
88-75-5-----	2-Nitrophenol	340	U
105-67-9-----	2,4-Dimethylphenol	340	U
65-85-0-----	Benzoic Acid	1700	U
111-91-1-----	bis(2-Chloroethoxy) methane	340	U
120-83-2-----	2,4-Dichlorophenol	340	U
120-82-1-----	1,2,4-Trichlorobenzene	340	U
91-20-3-----	Naphthalene	340	U
106-47-8-----	4-Chloroaniline	340	U
87-68-3-----	Hexachlorobutadiene	340	U
59-50-7-----	4-Chloro-3-methylphenol	340	U
91-57-6-----	2-Methylnaphthalene	340	U
77-47-4-----	Hexachlorocyclopentadiene	340	U
88-06-2-----	2,4,6-Trichlorophenol	340	U
95-95-4-----	2,4,5-Trichlorophenol	1700	U
91-58-7-----	2-Chloronaphthalene	340	U
88-74-4-----	2-Nitroaniline	1700	U
131-11-3-----	Dimethylphthalate	340	U
208-96-8-----	Acenaphthylene	340	U
606-20-2-----	2,6-Dinitrotoluene	340	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB120

Lab Name: SWL-TULSA

Contract: FORT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 34034

Matrix: (soil/water) SOIL

Lab Sample ID: 34034.01

Sample wt/vol: 31.5 (g/mL) G

Lab File ID: M10393.D

Level: (low/med) LOW

Date Received: 05/20/98

% Moisture: not dec. 9 dec.

Date Extracted: 05/21/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 05/22/98

Concentrated Extract Volume: 1000 (uL)

GPC Cleanup: (Y/N) N

pH: 6.4

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

99-09-2-----	3-Nitroaniline	1700	U
83-32-9-----	Acenaphthene	340	U
121-14-2-----	2,4-Dinitrotoluene	340	U
51-28-5-----	2,4-Dinitrophenol	1700	U
100-02-7-----	4-Nitrophenol	1700	U
132-64-9-----	Dibenzofuran	340	U
84-66-2-----	Diethylphthalate	340	U
7005-72-3-----	4-Chlorophenyl-phenylether	340	U
86-73-7-----	Fluorene	340	U
100-01-6-----	4-Nitroaniline	1700	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1700	U
86-30-6-----	N-Nitrosodiphenylamine (1)	340	U
101-55-3-----	4-Bromophenylphenylether	340	U
118-74-1-----	Hexachlorobenzene	340	U
87-86-5-----	Pentachlorophenol	1700	U
85-01-8-----	Phenanthrene	340	U
120-12-7-----	Anthracene	340	U
84-74-2-----	Di-n-butylphthalate	340	U
206-44-0-----	Fluoranthene	340	U
129-00-0-----	Pyrene	340	U
85-68-7-----	Butylbenzylphthalate	340	U
91-94-1-----	3,3'-Dichlorobenzidine	690	U
56-55-3-----	Benzo(a)anthracene	340	U
218-01-9-----	Chrysene	340	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	340	U
117-84-0-----	Di-n-octylphthalate	340	U
205-99-2-----	Benzo(b)fluoranthene	340	U
207-08-9-----	Benzo(k)fluoranthene	340	U
50-32-8-----	Benzo(a)pyrene	340	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	340	U
53-70-3-----	Dibenz(a,h)anthracene	340	U
191-24-2-----	Benzo(g,h,i)perylene	340	U
110-86-1-----	Pyridine	340	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB120

Lab Name: SWL-TULSA

Contract: FORT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 34034

Matrix: (soil/water) SOIL

Lab Sample ID: 34034.01

Sample wt/vol: 31.5 (g/mL) G

Lab File ID: M10393.D

Level: (low/med) LOW

Date Received: 05/20/98

% Moisture: not dec. 9 dec.

Date Extracted: 05/21/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 05/22/98

Concentrated Extract Volume: 1000 (uL)

GPC Cleanup: (Y/N) N

pH: 6.4

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

95-94-3-----1,2,4,5-Tetrachlorobenzene__

340

U

CLIENT SAMPLE ID

Lab Name: SOUTHWEST_LAB_OF_OK_____ Contract: SAIC_____
Lab Code: SWOK_____ Case No.: 34034 SAS No.: _____ SDG No.: 34034_____
Matrix (soil/water): SOIL_____ Lab Sample ID: 34034.01
Level (low/med): LOW_____ Date Received: 05/20/98
Solids: _____ 90.9

[illegible]

Comments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10PZ101

Lab Name: SWL-TULSA

Contract: FORT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 34224

Matrix: (soil/water) WATER

Lab Sample ID: 34224.11

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: UL5286.D

Level: (low/med) LOW

Date Received: 06/03/98

% Moisture: not dec. _____

Date Analyzed: 06/15/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

74-87-3-----	CHLOROMETHANE	5	U
74-83-9-----	BROMOMETHANE	5	U
75-01-4-----	VINYL CHLORIDE	5	U
75-00-3-----	CHLOROETHANE	5	U
75-09-2-----	METHYLENE CHLORIDE	5	U
67-64-1-----	ACETONE	5	U
75-35-4-----	1 1-DICHLOROETHENE	5	U
75-34-3-----	1 1-DICHLOROETHANE	5	U
67-66-3-----	CHLOROFORM	5	U
107-06-2-----	1 2-DICHLOROETHANE	5	U
78-93-3-----	2-BUTANONE	5	U
71-55-6-----	1 1 1-TRICHLOROETHANE	5	U
56-23-5-----	CARBON TETRACHLORIDE	5	U
75-27-4-----	BROMODICHLOROMETHANE	5	U
78-87-5-----	1 2-DICHLOROPROPANE	5	U
79-01-6-----	TRICHLOROETHENE	5	U
124-48-1-----	DIBROMOCHLOROMETHANE	5	U
79-00-5-----	1 1 2-TRICHLOROETHANE	5	U
71-43-2-----	BENZENE	5	U
75-25-2-----	BROMOFORM	5	U
108-10-1-----	4-METHYL-2-PENTANONE	5	U
591-78-6-----	2-HEXANONE	5	U
127-18-4-----	TETRACHLOROETHENE	5	U
108-88-3-----	TOLUENE	5	U
79-34-5-----	1 1 2 2-TETRACHLOROETHANE	5	U
108-90-7-----	CHLOROBENZENE	6	
100-41-4-----	ETHYL BENZENE	5	U
100-42-5-----	STYRENE	5	U
156-59-2-----	cis-1 2-DICHLOROETHENE	5	U
156-60-5-----	trans-1 2-DICHLOROETHENE	5	U
13-302-07-----	m,p-XYLENES	5	U
95-47-6-----	o-XYLENE	5	U
106-93-4-----	1 2-DIBROMOETHANE	5	U
630-20-6-----	1 1 1 2-TETRACHLOROETHANE	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10PZ101

Lab Name: SWL-TULSA

Contract: FORT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 34224

Matrix: (soil/water) WATER

Lab Sample ID: 34224.11

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: UL5286.D

Level: (low/med) LOW

Date Received: 06/03/98

% Moisture: not dec. _____

Date Analyzed: 06/15/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

96-18-4-----	1 2 3-TRICHLOROPROPANE	5	U
75-71-8-----	DICHLORODIFLUOROMETHANE	5	U
75-69-4-----	TRICHLOROFLUOROMETHANE	5	U
74-95-3-----	DIBROMOMETHANE	5	U
96-12-8-----	1 2-DIBROMO-3-CHLOROPROPANE	5	U
108-86-1-----	BROMOBENZENE	5	U
104-51-8-----	n-BUTYLBENZENE	5	U
98-06-6-----	tert-BUTYLBENZENE	5	U
135-98-8-----	sec-BUTYLBENZENE	5	U
95-49-8-----	2-CHLOROTOLUENE	5	U
106-43-4-----	4-CHLOROTOLUENE	5	U
95-50-1-----	1 2-DICHLOROBENZENE	5	U
541-73-1-----	1 3-DICHLOROBENZENE	5	U
106-46-7-----	1 4-DICHLOROBENZENE	5	U
142-28-9-----	1 3-DICHLOROPROPANE	5	U
594-20-7-----	2 2-DICHLOROPROPANE	5	U
563-58-6-----	1 1-DICHLOROPROPENE	5	U
87-68-3-----	HEXACHLOROBUTADIENE	5	U
98-82-8-----	ISOPROPYLBENZENE	5	U
99-87-6-----	p-ISOPROPYLTOLUENE	5	U
91-20-3-----	NAPHTHALENE	5	U
103-65-1-----	n-PROPYLBENZENE	5	U
87-61-6-----	1 2 3-TRICHLOROBENZENE	5	U
120-82-1-----	1 2 4-TRICHLOROBENZENE	5	U
95-63-6-----	1 2 4-TRIMETHYLBENZENE	5	U
108-67-8-----	1 3 5-TRIMETHYLBENZENE	5	U
74-97-5-----	BROMOCHLOROMETHANE	5	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10PZ101

Lab Name: SWL-TULSA

Contract: FORT HOOD O

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 34224

Matrix: (soil/water) WATER

Lab Sample ID: 34224.11

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: P16422.D

Level: (low/med) LOW

Date Received: 06/03/98

% Moisture: not dec. 0 dec.

Date Extracted: 06/04/98

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 06/09/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 7.1

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

108-95-2-----Phenol	10	U
111-44-4-----bis(2-Chloroethyl)ether	10	U
95-57-8-----2-Chlorophenol	10	U
541-73-1-----1,3-Dichlorobenzene	10	U
106-46-7-----1,4-Dichlorobenzene	10	U
100-51-6-----Benzyl alcohol	10	U
95-50-1-----1,2-Dichlorobenzene	10	U
95-48-7-----2-Methylphenol	10	U
108-60-1-----bis(2-Chloroisopropyl)ether	10	U
106-44-5-----4-Methylphenol	10	U
621-64-7-----N-Nitroso-di-n-propylamine	10	U
67-72-1-----Hexachloroethane	10	U
98-95-3-----Nitrobenzene	10	U
78-59-1-----Isophorone	10	U
88-75-5-----2-Nitrophenol	10	U
105-67-9-----2,4-Dimethylphenol	10	U
65-85-0-----Benzoic Acid	5	J
111-91-1-----bis(2-Chloroethoxy)methane	10	U
120-83-2-----2,4-Dichlorophenol	10	U
120-82-1-----1,2,4-Trichlorobenzene	10	U
91-20-3-----Naphthalene	10	U
106-47-8-----4-Chloroaniline	10	U
87-68-3-----Hexachlorobutadiene	10	U
59-50-7-----4-Chloro-3-methylphenol	10	U
91-57-6-----2-Methylnaphthalene	10	U
77-47-4-----Hexachlorocyclopentadiene	10	U
88-06-2-----2,4,6-Trichlorophenol	10	U
95-95-4-----2,4,5-Trichlorophenol	50	U
91-58-7-----2-Chloronaphthalene	10	U
88-74-4-----2-Nitroaniline	50	U
131-11-3-----Dimethylphthalate	10	U
208-96-8-----Acenaphthylene	10	U
606-20-2-----2,6-Dinitrotoluene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10PZ101

Lab Name: SWL-TULSA

Contract: FORT HOOD O

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 34224

Matrix: (soil/water) WATER

Lab Sample ID: 34224.11

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: P16422.D

Level: (low/med) LOW

Date Received: 06/03/98

% Moisture: not dec. 0 dec.

Date Extracted: 06/04/98

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 06/09/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 7.1

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

99-09-2-----	3-Nitroaniline	50	U
83-32-9-----	Acenaphthene	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
51-28-5-----	2,4-Dinitrophenol	50	U
100-02-7-----	4-Nitrophenol	50	U
132-64-9-----	Dibenzofuran	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	50	U
534-52-1-----	4,6-Dinitro-2-methylphenol	50	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenylphenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	50	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
84-74-2-----	Di-n-butylphthalate	1	J
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	20	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	2	J
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenz(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U
110-86-1-----	Pyridine	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10PZ101

Lab Name: SWL-TULSA

Contract: FORT HOOD O

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 34224

Matrix: (soil/water) WATER

Lab Sample ID: 34224.11

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: P16422.D

Level: (low/med) LOW

Date Received: 06/03/98

% Moisture: not dec. 0 dec.

Date Extracted: 06/04/98

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 06/09/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 7.1

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

95-94-3-----1,2,4,5-Tetrachlorobenzene__	10	U
--	----	---

10PZ101

Concentration Units (ug/L or mg/kg dry weight): UG/L

[illegible]

Texture: _____
Artifacts: _____

Comments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10PZ102

Lab Name: SWL-TULSA

Contract: FORT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 34250

Matrix: (soil/water) WATER

Lab Sample ID: 34250.06

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: UL5257.D

Level: (low/med) LOW

Date Received: 06/04/98

% Moisture: not dec. _____

Date Analyzed: 06/11/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND		
74-87-3	CHLOROMETHANE	5	U
74-83-9	BROMOMETHANE	5	U
75-01-4	VINYL CHLORIDE	5	U
75-00-3	CHLOROETHANE	5	U
75-09-2	METHYLENE CHLORIDE	5	U
67-64-1	ACETONE	5	U
75-35-4	1 1-DICHLOROETHENE	5	U
75-34-3	1 1-DICHLOROETHANE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1 2-DICHLOROETHANE	5	U
78-93-3	2-BUTANONE	5	U
71-55-6	1 1 1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1 2-DICHLOROPROPANE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1 1 2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
75-25-2	BROMOFORM	5	U
108-10-1	4-METHYL-2-PENTANONE	5	U
591-78-6	2-HEXANONE	5	U
127-18-4	TETRACHLOROETHENE	5	U
108-88-3	TOLUENE	5	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYL BENZENE	5	U
100-42-5	STYRENE	5	U
156-59-2	cis-1 2-DICHLOROETHENE	5	U
156-60-5	trans-1 2-DICHLOROETHENE	5	U
13-302-07	m,p-XYLENES	5	U
95-47-6	o-XYLENE	5	U
106-93-4	1 2-DIBROMOETHANE	5	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10PZ102

Lab Name: SWL-TULSA

Contract: FORT HOOD

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 34250

Matrix: (soil/water) WATER

Lab Sample ID: 34250.06

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: UL5257.D

Level: (low/med) LOW

Date Received: 06/04/98

% Moisture: not dec. _____

Date Analyzed: 06/11/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

96-18-4-----1 2 3-TRICHLOROPROPANE	5	U
75-71-8-----DICHLORODIFLUOROMETHANE	5	U
75-69-4-----TRICHLOROFLUOROMETHANE	5	U
74-95-3-----DIBROMOMETHANE	5	U
96-12-8-----1 2-DIBROMO-3-CHLOROPROPANE	5	U
108-86-1-----BROMOBENZENE	5	U
104-51-8-----n-BUTYLBENZENE	5	U
98-06-6-----tert-BUTYLBENZENE	5	U
135-98-8-----sec-BUTYLBENZENE	5	U
95-49-8-----2-CHLOROTOLUENE	5	U
106-43-4-----4-CHLOROTOLUENE	5	U
95-50-1-----1 2-DICHLOROBENZENE	5	U
541-73-1-----1 3-DICHLOROBENZENE	5	U
106-46-7-----1 4-DICHLOROBENZENE	5	U
142-28-9-----1 3-DICHLOROPROPANE	5	U
594-20-7-----2 2-DICHLOROPROPANE	5	U
563-58-6-----1 1-DICHLOROPROPENE	5	U
87-68-3-----HEXACHLOROBUTADIENE	5	U
98-82-8-----ISOPROPYLBENZENE	5	U
99-87-6-----p-ISOPROPYLTOLUENE	5	U
91-20-3-----NAPHTHALENE	5	U
103-65-1-----n-PROPYLBENZENE	5	U
87-61-6-----1 2 3-TRICHLOROBENZENE	5	U
120-82-1-----1 2 4-TRICHLOROBENZENE	5	U
95-63-6-----1 2 4-TRIMETHYLBENZENE	5	U
108-67-8-----1 3 5-TRIMETHYLBENZENE	5	U
74-97-5-----BROMOCHLOROMETHANE	5	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10PZ102

Lab Name: SWL-TULSA Contract: FORT HOOD O

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 34250

Matrix: (soil/water) WATER Lab Sample ID: 34250.06

Sample wt/vol: 1000 (g/mL) ML Lab File ID: J1516.D

Level: (low/med) LOW Date Received: 06/04/98

% Moisture: not dec. 0 dec. Date Extracted: 06/05/98

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 06/09/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.5 Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(2-Chloroethyl)ether	10	U
95-57-8-----	2-Chlorophenol	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	10	U
100-51-6-----	Benzyl alcohol	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	bis(2-Chloroisopropyl)ether	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
65-85-0-----	Benzoic Acid	50	U
111-91-1-----	bis(2-Chloroethoxy)methane	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	50	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	50	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10PZ102

Lab Name: SWL-TULSA

Contract: FORT HOOD O

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 34250

Matrix: (soil/water) WATER

Lab Sample ID: 34250.06

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: J1516.D

Level: (low/med) LOW

Date Received: 06/04/98

% Moisture: not dec. 0 dec.

Date Extracted: 06/05/98

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 06/09/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 7.5

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

99-09-2-----	3-Nitroaniline	50	U
83-32-9-----	Acenaphthene	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
51-28-5-----	2,4-Dinitrophenol	50	U
100-02-7-----	4-Nitrophenol	50	U
132-64-9-----	Dibenzofuran	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	50	U
534-52-1-----	4,6-Dinitro-2-methylphenol	50	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenylphenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	50	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	20	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenz(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U
110-86-1-----	Pyridine	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10PZ102

Lab Name: SWL-TULSA

Contract: FORT HOOD O

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 34250

Matrix: (soil/water) WATER

Lab Sample ID: 34250.06

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: J1516.D

Level: (low/med) LOW

Date Received: 06/04/98

% Moisture: not dec. 0 dec.

Date Extracted: 06/05/98

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 06/09/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 7.5

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

95-94-3-----	1,2,4,5-Tetrachlorobenzene	10	U
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10PZ102

[illegible]

Texture: _____
Artifacts: _____

FORM I - IN

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB121

Lab Name: SWL-TULSA

Contract: FTHOOD RFI

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.11

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: N32792.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 12

Date Analyzed: 11/03/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

74-87-3-----	CHLOROMETHANE	6	U
74-83-9-----	BROMOMETHANE	6	U
75-01-4-----	VINYL CHLORIDE	6	U
75-00-3-----	CHLOROETHANE	6	U
75-09-2-----	METHYLENE CHLORIDE	6	U
67-64-1-----	ACETONE	6	U
75-35-4-----	1 1-DICHLOROETHENE	6	U
75-34-3-----	1 1-DICHLOROETHANE	6	U
67-66-3-----	CHLOROFORM	6	U
107-06-2-----	1 2-DICHLOROETHANE	6	U
78-93-3-----	2-BUTANONE	6	U
71-55-6-----	1 1 1-TRICHLOROETHANE	6	U
56-23-5-----	CARBON TETRACHLORIDE	6	U
75-27-4-----	BROMODICHLOROMETHANE	6	U
78-87-5-----	1 2-DICHLOROPROPANE	6	U
79-01-6-----	TRICHLOROETHENE	6	U
124-48-1-----	DIBROMOCHLOROMETHANE	6	U
79-00-5-----	1 1 2-TRICHLOROETHANE	6	U
71-43-2-----	BENZENE	6	U
75-25-2-----	BROMOFORM	6	U
108-10-1-----	4-METHYL-2-PENTANONE	6	U
591-78-6-----	2-HEXANONE	6	U
127-18-4-----	TETRACHLOROETHENE	6	U
108-88-3-----	TOLUENE	6	U
79-34-5-----	1 1 2 2-TETRACHLOROETHANE	6	U
108-90-7-----	CHLOROBENZENE	6	U
100-41-4-----	ETHYL BENZENE	6	U
100-42-5-----	STYRENE	6	U
156-59-2-----	cis-1 2-DICHLOROETHENE	6	U
156-60-5-----	trans-1 2-DICHLOROETHENE	6	U
13-302-07-----	m,p-XYLENES	6	U
95-47-6-----	o-XYLENE	6	U
106-93-4-----	1 2-DIBROMOETHANE	6	U
630-20-6-----	1 1 1 2-TETRACHLOROETHANE	6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB121

Lab Name: SWL-TULSA

Contract: FTHOOD RFI

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.11

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: N32792.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 12

Date Analyzed: 11/03/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

96-18-4-----1 2 3-TRICHLOROPROPANE	6	U
75-71-8-----DICHLORODIFLUOROMETHANE	6	U
75-69-4-----TRICHLOROFLUOROMETHANE	6	U
74-95-3-----DIBROMOMETHANE	6	U
96-12-8-----1 2-DIBROMO-3-CHLOROPROPANE	6	U
108-86-1-----BROMOBENZENE	6	U
104-51-8-----n-BUTYLBENZENE	6	U
98-06-6-----tert-BUTYLBENZENE	6	U
135-98-8-----sec-BUTYLBENZENE	6	U
95-49-8-----2-CHLOROTOLUENE	6	U
106-43-4-----4-CHLOROTOLUENE	6	U
95-50-1-----1 2-DICHLOROBENZENE	6	U
541-73-1-----1 3-DICHLOROBENZENE	6	U
106-46-7-----1 4-DICHLOROBENZENE	6	U
142-28-9-----1 3-DICHLOROPROPANE	6	U
594-20-7-----2 2-DICHLOROPROPANE	6	U
563-58-6-----1 1-DICHLOROPROPENE	6	U
87-68-3-----HEXACHLOROBUTADIENE	6	U
98-82-8-----ISOPROPYLBENZENE	6	U
99-87-6-----p-ISOPROPYLTOLUENE	6	U
91-20-3-----NAPHTHALENE	6	U
103-65-1-----n-PROPYLBENZENE	6	U
87-61-6-----1 2 3-TRICHLOROBENZENE	6	U
120-82-1-----1 2 4-TRICHLOROBENZENE	6	U
95-63-6-----1 2 4-TRIMETHYLBENZENE	6	U
108-67-8-----1 3 5-TRIMETHYLBENZENE	6	U
74-97-5-----BROMOCHLOROMETHANE	6	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB121

Lab Name: SWL-TULSA

Contract: FORT HOOD R

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.11

Sample wt/vol: 31.1 (g/mL) G

Lab File ID: P17881.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 12 dec.

Date Extracted: 11/02/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/06/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 8.4

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

108-95-2-----Phenol	360	U
111-44-4-----bis(2-Chloroethyl)ether	360	U
95-57-8-----2-Chlorophenol	360	U
541-73-1-----1,3-Dichlorobenzene	360	U
106-46-7-----1,4-Dichlorobenzene	360	U
100-51-6-----Benzyl alcohol	360	U
95-50-1-----1,2-Dichlorobenzene	360	U
95-48-7-----2-Methylphenol	360	U
108-60-1-----bis(2-Chloroisopropyl)ether	360	U
106-44-5-----4-Methylphenol	360	U
621-64-7-----N-Nitroso-di-n-propylamine	360	U
67-72-1-----Hexachloroethane	360	U
98-95-3-----Nitrobenzene	360	U
78-59-1-----Isophorone	360	U
88-75-5-----2-Nitrophenol	360	U
105-67-9-----2,4-Dimethylphenol	360	U
65-85-0-----Benzoic Acid	1800	U
111-91-1-----bis(2-Chloroethoxy)methane	360	U
120-83-2-----2,4-Dichlorophenol	360	U
120-82-1-----1,2,4-Trichlorobenzene	360	U
91-20-3-----Naphthalene	360	U
106-47-8-----4-Chloroaniline	360	U
87-68-3-----Hexachlorobutadiene	360	U
59-50-7-----4-Chloro-3-methylphenol	360	U
91-57-6-----2-Methylnaphthalene	360	U
77-47-4-----Hexachlorocyclopentadiene	360	U
88-06-2-----2,4,6-Trichlorophenol	360	U
95-95-4-----2,4,5-Trichlorophenol	1800	U
91-58-7-----2-Chloronaphthalene	360	U
88-74-4-----2-Nitroaniline	1800	U
131-11-3-----Dimethylphthalate	360	U
208-96-8-----Acenaphthylene	360	U
606-20-2-----2,6-Dinitrotoluene	360	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB121

Lab Name: SWL-TULSA

Contract: FORT HOOD R

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.11

Sample wt/vol: 31.1 (g/mL) G

Lab File ID: P17881.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 12 dec.

Date Extracted: 11/02/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/06/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 8.4

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

99-09-2-----	3-Nitroaniline	1800	U
83-32-9-----	Acenaphthene	360	U
121-14-2-----	2,4-Dinitrotoluene	360	U
51-28-5-----	2,4-Dinitrophenol	1800	U
100-02-7-----	4-Nitrophenol	1800	U
132-64-9-----	Dibenzofuran	360	U
84-66-2-----	Diethylphthalate	360	U
7005-72-3-----	4-Chlorophenyl-phenylether	360	U
86-73-7-----	Fluorene	360	U
100-01-6-----	4-Nitroaniline	1800	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1800	U
86-30-6-----	N-Nitrosodiphenylamine (1)	360	U
101-55-3-----	4-Bromophenylphenylether	360	U
118-74-1-----	Hexachlorobenzene	360	U
87-86-5-----	Pentachlorophenol	1800	U
85-01-8-----	Phenanthrene	360	U
120-12-7-----	Anthracene	360	U
84-74-2-----	Di-n-butylphthalate	360	U
206-44-0-----	Fluoranthene	360	U
129-00-0-----	Pyrene	360	U
85-68-7-----	Butylbenzylphthalate	360	U
91-94-1-----	3,3'-Dichlorobenzidine	720	U
56-55-3-----	Benzo(a)anthracene	360	U
218-01-9-----	Chrysene	360	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	360	U
117-84-0-----	Di-n-octylphthalate	360	U
205-99-2-----	Benzo(b)fluoranthene	360	U
207-08-9-----	Benzo(k)fluoranthene	360	U
50-32-8-----	Benzo(a)pyrene	360	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	360	U
53-70-3-----	Dibenz(a,h)anthracene	360	U
191-24-2-----	Benzo(g,h,i)perylene	360	U
110-86-1-----	Pyridine	360	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB121

Lab Name: SWL-TULSA

Contract: FORT HOOD R

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.11

Sample wt/vol: 31.1 (g/mL) G

Lab File ID: P17881.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 12 dec.

Date Extracted: 11/02/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/06/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 8.4

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

95-94-3-----1,2,4,5-Tetrachlorobenzene

360

U

10SB121

[illegible]

Texture: MEDIUM
Artifacts:

FORM I - IN

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB122

Lab Name: SWL-TULSA

Contract: FTHOOD RFI

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.14

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: N32777.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 9

Date Analyzed: 11/02/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

74-87-3-----	CHLOROMETHANE	5	U
74-83-9-----	BROMOMETHANE	5	U
75-01-4-----	VINYL CHLORIDE	5	U
75-00-3-----	CHLOROETHANE	5	U
75-09-2-----	METHYLENE CHLORIDE	3	JB
67-64-1-----	ACETONE	5	U
75-35-4-----	1 1-DICHLOROETHENE	5	U
75-34-3-----	1 1-DICHLOROETHANE	5	U
67-66-3-----	CHLOROFORM	5	U
107-06-2-----	1 2-DICHLOROETHANE	5	U
78-93-3-----	2-BUTANONE	5	U
71-55-6-----	1 1 1-TRICHLOROETHANE	5	U
56-23-5-----	CARBON TETRACHLORIDE	5	U
75-27-4-----	BROMODICHLOROMETHANE	5	U
78-87-5-----	1 2-DICHLOROPROPANE	5	U
79-01-6-----	TRICHLOROETHENE	5	U
124-48-1-----	DIBROMOCHLOROMETHANE	5	U
79-00-5-----	1 1 2-TRICHLOROETHANE	5	U
71-43-2-----	BENZENE	5	U
75-25-2-----	BROMOFORM	5	U
108-10-1-----	4-METHYL-2-PENTANONE	5	U
591-78-6-----	2-HEXANONE	5	U
127-18-4-----	TETRACHLOROETHENE	5	U
108-88-3-----	TOLUENE	5	U
79-34-5-----	1 1 2 2-TETRACHLOROETHANE	5	U
108-90-7-----	CHLOROBENZENE	5	U
100-41-4-----	ETHYL BENZENE	5	U
100-42-5-----	STYRENE	5	U
156-59-2-----	cis-1 2-DICHLOROETHENE	5	U
156-60-5-----	trans-1 2-DICHLOROETHENE	5	U
13-302-07-----	m,p-XYLENES	5	U
95-47-6-----	o-XYLENE	5	U
106-93-4-----	1 2-DIBROMOETHANE	5	U
630-20-6-----	1 1 1 2-TETRACHLOROETHANE	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB122

Lab Name: SWL-TULSA

Contract: FTHOOD RFI

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.14

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: N32777.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 9

Date Analyzed: 11/02/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

96-18-4-----1 2 3-TRICHLOROPROPANE	5	U
75-71-8-----DICHLORODIFLUOROMETHANE	5	U
75-69-4-----TRICHLOROFLUOROMETHANE	5	U
74-95-3-----DIBROMOMETHANE	5	U
96-12-8-----1 2-DIBROMO-3-CHLOROPROPANE	5	U
108-86-1-----BROMOBENZENE	5	U
104-51-8-----n-BUTYLBENZENE	5	U
98-06-6-----tert-BUTYLBENZENE	5	U
135-98-8-----sec-BUTYLBENZENE	5	U
95-49-8-----2-CHLOROTOLUENE	5	U
106-43-4-----4-CHLOROTOLUENE	5	U
95-50-1-----1 2-DICHLOROBENZENE	5	U
541-73-1-----1 3-DICHLOROBENZENE	5	U
106-46-7-----1 4-DICHLOROBENZENE	5	U
142-28-9-----1 3-DICHLOROPROPANE	5	U
594-20-7-----2 2-DICHLOROPROPANE	5	U
563-58-6-----1 1-DICHLOROPROPENE	5	U
87-68-3-----HEXACHLOROBUTADIENE	5	U
98-82-8-----ISOPROPYLBENZENE	5	U
99-87-6-----p-ISOPROPYLTOLUENE	5	U
91-20-3-----NAPHTHALENE	5	U
103-65-1-----n-PROPYLBENZENE	5	U
87-61-6-----1 2 3-TRICHLOROBENZENE	5	U
120-82-1-----1 2 4-TRICHLOROBENZENE	5	U
95-63-6-----1 2 4-TRIMETHYLBENZENE	5	U
108-67-8-----1 3 5-TRIMETHYLBENZENE	5	U
74-97-5-----BROMOCHLOROMETHANE	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB122RE

Lab Name: SWL-TULSA

Contract: FTHOOD RFI

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.14RA

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: N32798.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 9

Date Analyzed: 11/03/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

74-87-3-----	CHLOROMETHANE	5	U
74-83-9-----	BROMOMETHANE	5	U
75-01-4-----	VINYL CHLORIDE	5	U
75-00-3-----	CHLOROETHANE	5	U
75-09-2-----	METHYLENE CHLORIDE	5	U
67-64-1-----	ACETONE	5	U
75-35-4-----	1 1-DICHLOROETHENE	5	U
75-34-3-----	1 1-DICHLOROETHANE	5	U
67-66-3-----	CHLOROFORM	5	U
107-06-2-----	1 2-DICHLOROETHANE	5	U
78-93-3-----	2-BUTANONE	5	U
71-55-6-----	1 1 1-TRICHLOROETHANE	5	U
56-23-5-----	CARBON TETRACHLORIDE	5	U
75-27-4-----	BROMODICHLOROMETHANE	5	U
78-87-5-----	1 2-DICHLOROPROPANE	5	U
79-01-6-----	TRICHLOROETHENE	5	U
124-48-1-----	DIBROMOCHLOROMETHANE	5	U
79-00-5-----	1 1 2-TRICHLOROETHANE	5	U
71-43-2-----	BENZENE	5	U
75-25-2-----	BROMOFORM	5	U
108-10-1-----	4-METHYL-2-PENTANONE	5	U
591-78-6-----	2-HEXANONE	5	U
127-18-4-----	TETRACHLOROETHENE	5	U
108-88-3-----	TOLUENE	5	U
79-34-5-----	1 1 2 2-TETRACHLOROETHANE	5	U
108-90-7-----	CHLOROBENZENE	5	U
100-41-4-----	ETHYL BENZENE	5	U
100-42-5-----	STYRENE	5	U
156-59-2-----	cis-1 2-DICHLOROETHENE	5	U
156-60-5-----	trans-1 2-DICHLOROETHENE	5	U
13-302-07-----	m,p-XYLENES	5	U
95-47-6-----	o-XYLENE	5	U
106-93-4-----	1 2-DIBROMOETHANE	5	U
630-20-6-----	1 1 1 2-TETRACHLOROETHANE	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB122RE

Lab Name: SWL-TULSA

Contract: FTHOOD RFI

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.14RA

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: N32798.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 9

Date Analyzed: 11/03/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

96-18-4-----1 2 3-TRICHLOROPROPANE	5	U
75-71-8-----DICHLORODIFLUOROMETHANE	5	U
75-69-4-----TRICHLOROFLUOROMETHANE	5	U
74-95-3-----DIBROMOMETHANE	5	U
96-12-8-----1 2-DIBROMO-3-CHLOROPROPANE	5	U
108-86-1-----BROMOBENZENE	5	U
104-51-8-----n-BUTYLBENZENE	5	U
98-06-6-----tert-BUTYLBENZENE	5	U
135-98-8-----sec-BUTYLBENZENE	5	U
95-49-8-----2-CHLOROTOLUENE	5	U
106-43-4-----4-CHLOROTOLUENE	5	U
95-50-1-----1 2-DICHLOROBENZENE	5	U
541-73-1-----1 3-DICHLOROBENZENE	5	U
106-46-7-----1 4-DICHLOROBENZENE	5	U
142-28-9-----1 3-DICHLOROPROPANE	5	U
594-20-7-----2 2-DICHLOROPROPANE	5	U
563-58-6-----1 1-DICHLOROPROPENE	5	U
87-68-3-----HEXACHLOROBUTADIENE	5	U
98-82-8-----ISOPROPYLBENZENE	5	U
99-87-6-----p-ISOPROPYLTOLUENE	5	U
91-20-3-----NAPHTHALENE	5	U
103-65-1-----n-PROPYLBENZENE	5	U
87-61-6-----1 2 3-TRICHLOROBENZENE	5	U
120-82-1-----1 2 4-TRICHLOROBENZENE	5	U
95-63-6-----1 2 4-TRIMETHYLBENZENE	5	U
108-67-8-----1 3 5-TRIMETHYLBENZENE	5	U
74-97-5-----BROMOCHLOROMETHANE	5	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB122

Lab Name: SWL-TULSA

Contract: FORT HOOD R

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.14

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: P17882.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 9 dec.

Date Extracted: 11/02/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/06/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 8.6

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

108-95-2-----	Phenol	360	U
111-44-4-----	bis(2-Chloroethyl)ether	360	U
95-57-8-----	2-Chlorophenol	360	U
541-73-1-----	1,3-Dichlorobenzene	360	U
106-46-7-----	1,4-Dichlorobenzene	360	U
100-51-6-----	Benzyl alcohol	360	U
95-50-1-----	1,2-Dichlorobenzene	360	U
95-48-7-----	2-Methylphenol	360	U
108-60-1-----	bis(2-Chloroisopropyl)ether	360	U
106-44-5-----	4-Methylphenol	360	U
621-64-7-----	N-Nitroso-di-n-propylamine	360	U
67-72-1-----	Hexachloroethane	360	U
98-95-3-----	Nitrobenzene	360	U
78-59-1-----	Isophorone	360	U
88-75-5-----	2-Nitrophenol	360	U
105-67-9-----	2,4-Dimethylphenol	360	U
65-85-0-----	Benzoic Acid	1700	U
111-91-1-----	bis(2-Chloroethoxy)methane	360	U
120-83-2-----	2,4-Dichlorophenol	360	U
120-82-1-----	1,2,4-Trichlorobenzene	360	U
91-20-3-----	Naphthalene	360	U
106-47-8-----	4-Chloroaniline	360	U
87-68-3-----	Hexachlorobutadiene	360	U
59-50-7-----	4-Chloro-3-methylphenol	360	U
91-57-6-----	2-Methylnaphthalene	360	U
77-47-4-----	Hexachlorocyclopentadiene	360	U
88-06-2-----	2,4,6-Trichlorophenol	360	U
95-95-4-----	2,4,5-Trichlorophenol	1700	U
91-58-7-----	2-Chloronaphthalene	360	U
88-74-4-----	2-Nitroaniline	1700	U
131-11-3-----	Dimethylphthalate	360	U
208-96-8-----	Acenaphthylene	360	U
606-20-2-----	2,6-Dinitrotoluene	360	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB122

Lab Name: SWL-TULSA

Contract: FORT HOOD R

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.14

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: P17882.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 9 dec.

Date Extracted: 11/02/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/06/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 8.6

Dilution Factor: 1.0

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

99-09-2-----	3-Nitroaniline	1700	U
83-32-9-----	Acenaphthene	360	U
121-14-2-----	2,4-Dinitrotoluene	360	U
51-28-5-----	2,4-Dinitrophenol	1700	U
100-02-7-----	4-Nitrophenol	1700	U
132-64-9-----	Dibenzofuran	360	U
84-66-2-----	Diethylphthalate	360	U
7005-72-3-----	4-Chlorophenyl-phenylether	360	U
86-73-7-----	Fluorene	360	U
100-01-6-----	4-Nitroaniline	1700	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1700	U
86-30-6-----	N-Nitrosodiphenylamine (1)	360	U
101-55-3-----	4-Bromophenylphenylether	360	U
118-74-1-----	Hexachlorobenzene	360	U
87-86-5-----	Pentachlorophenol	1700	U
85-01-8-----	Phenanthrene	360	U
120-12-7-----	Anthracene	360	U
84-74-2-----	Di-n-butylphthalate	360	U
206-44-0-----	Fluoranthene	360	U
129-00-0-----	Pyrene	360	U
85-68-7-----	Butylbenzylphthalate	360	U
91-94-1-----	3,3'-Dichlorobenzidine	720	U
56-55-3-----	Benzo(a)anthracene	360	U
218-01-9-----	Chrysene	360	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	360	U
117-84-0-----	Di-n-octylphthalate	360	U
205-99-2-----	Benzo(b)fluoranthene	360	U
207-08-9-----	Benzo(k)fluoranthene	360	U
50-32-8-----	Benzo(a)pyrene	360	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	360	U
53-70-3-----	Dibenz(a,h)anthracene	360	U
191-24-2-----	Benzo(g,h,i)perylene	360	U
110-86-1-----	Pyridine	360	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB122

Lab Name: SWL-TULSA

Contract: FORT HOOD R

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.14

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: P17882.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 9 dec.

Date Extracted: 11/02/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/06/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 8.6

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

95-94-3-----1,2,4,5-Tetrachlorobenzene__

360

U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB122RE

Lab Name: SWL-TULSA

Contract: FORT HOOD R

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.14RA

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: P17901.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 9 dec.

Date Extracted: 11/02/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/09/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 8.6

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

108-95-2-----	Phenol	360	U
111-44-4-----	bis(2-Chloroethyl)ether	360	U
95-57-8-----	2-Chlorophenol	360	U
541-73-1-----	1,3-Dichlorobenzene	360	U
106-46-7-----	1,4-Dichlorobenzene	360	U
100-51-6-----	Benzyl alcohol	360	U
95-50-1-----	1,2-Dichlorobenzene	360	U
95-48-7-----	2-Methylphenol	360	U
108-60-1-----	bis(2-Chloroisopropyl)ether	360	U
106-44-5-----	4-Methylphenol	360	U
621-64-7-----	N-Nitroso-di-n-propylamine	360	U
67-72-1-----	Hexachloroethane	360	U
98-95-3-----	Nitrobenzene	360	U
78-59-1-----	Isophorone	360	U
88-75-5-----	2-Nitrophenol	360	U
105-67-9-----	2,4-Dimethylphenol	360	U
65-85-0-----	Benzoic Acid	1700	U
111-91-1-----	bis(2-Chloroethoxy)methane	360	U
120-83-2-----	2,4-Dichlorophenol	360	U
120-82-1-----	1,2,4-Trichlorobenzene	360	U
91-20-3-----	Naphthalene	360	U
106-47-8-----	4-Chloroaniline	360	U
87-68-3-----	Hexachlorobutadiene	360	U
59-50-7-----	4-Chloro-3-methylphenol	360	U
91-57-6-----	2-Methylnaphthalene	360	U
77-47-4-----	Hexachlorocyclopentadiene	360	U
88-06-2-----	2,4,6-Trichlorophenol	360	U
95-95-4-----	2,4,5-Trichlorophenol	1700	U
91-58-7-----	2-Chloronaphthalene	360	U
88-74-4-----	2-Nitroaniline	1700	U
131-11-3-----	Dimethylphthalate	360	U
208-96-8-----	Acenaphthylene	360	U
606-20-2-----	2,6-Dinitrotoluene	360	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB122RE

Lab Name: SWL-TULSA

Contract: FORT HOOD R

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.14RA

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: P17901.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 9 dec.

Date Extracted: 11/02/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/09/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 8.6

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

99-09-2-----	3-Nitroaniline	1700	U
83-32-9-----	Acenaphthene	360	U
121-14-2-----	2,4-Dinitrotoluene	360	U
51-28-5-----	2,4-Dinitrophenol	1700	U
100-02-7-----	4-Nitrophenol	1700	U
132-64-9-----	Dibenzofuran	360	U
84-66-2-----	Diethylphthalate	360	U
7005-72-3-----	4-Chlorophenyl-phenylether	360	U
86-73-7-----	Fluorene	360	U
100-01-6-----	4-Nitroaniline	1700	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1700	U
86-30-6-----	N-Nitrosodiphenylamine (1)	360	U
101-55-3-----	4-Bromophenylphenylether	360	U
118-74-1-----	Hexachlorobenzene	360	U
87-86-5-----	Pentachlorophenol	1700	U
85-01-8-----	Phenanthrene	360	U
120-12-7-----	Anthracene	360	U
84-74-2-----	Di-n-butylphthalate	360	U
206-44-0-----	Fluoranthene	360	U
129-00-0-----	Pyrene	360	U
85-68-7-----	Butylbenzylphthalate	360	U
91-94-1-----	3,3'-Dichlorobenzidine	720	U
56-55-3-----	Benzo(a)anthracene	360	U
218-01-9-----	Chrysene	360	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	360	U
117-84-0-----	Di-n-octylphthalate	360	U
205-99-2-----	Benzo(b)fluoranthene	360	U
207-08-9-----	Benzo(k)fluoranthene	360	U
50-32-8-----	Benzo(a)pyrene	360	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	360	U
53-70-3-----	Dibenz(a,h)anthracene	360	U
191-24-2-----	Benzo(g,h,i)perylene	360	U
110-86-1-----	Pyridine	360	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB122RE

Lab Name: SWL-TULSA

Contract: FORT HOOD R

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.14RA

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: P17901.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 9 dec.

Date Extracted: 11/02/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/09/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 8.6

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

95-94-3-----1,2,4,5-Tetrachlorobenzene__

360

U

10SB122

[illegible]

FORM I - IN

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB123

Lab Name: SWL-TULSA

Contract: FTHOOD RFI

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.15

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: N32778.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 14

Date Analyzed: 11/02/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

74-87-3-----	CHLOROMETHANE	6	U
74-83-9-----	BROMOMETHANE	6	U
75-01-4-----	VINYL CHLORIDE	6	U
75-00-3-----	CHLOROETHANE	6	U
75-09-2-----	METHYLENE CHLORIDE	3	JB
67-64-1-----	ACETONE	6	U
75-35-4-----	1 1-DICHLOROETHENE	6	U
75-34-3-----	1 1-DICHLOROETHANE	6	U
67-66-3-----	CHLOROFORM	6	U
107-06-2-----	1 2-DICHLOROETHANE	6	U
78-93-3-----	2-BUTANONE	6	U
71-55-6-----	1 1 1-TRICHLOROETHANE	6	U
56-23-5-----	CARBON TETRACHLORIDE	6	U
75-27-4-----	BROMODICHLOROMETHANE	6	U
78-87-5-----	1 2-DICHLOROPROPANE	6	U
79-01-6-----	TRICHLOROETHENE	6	U
124-48-1-----	DIBROMOCHLOROMETHANE	6	U
79-00-5-----	1 1 2-TRICHLOROETHANE	6	U
71-43-2-----	BENZENE	6	U
75-25-2-----	BROMOFORM	6	U
108-10-1-----	4-METHYL-2-PENTANONE	6	U
591-78-6-----	2-HEXANONE	6	U
127-18-4-----	TETRACHLOROETHENE	6	U
108-88-3-----	TOLUENE	6	U
79-34-5-----	1 1 2 2-TETRACHLOROETHANE	6	U
108-90-7-----	CHLOROBENZENE	6	U
100-41-4-----	ETHYL BENZENE	6	U
100-42-5-----	STYRENE	6	U
156-59-2-----	cis-1 2-DICHLOROETHENE	6	U
156-60-5-----	trans-1 2-DICHLOROETHENE	6	U
13-302-07-----	m,p-XYLENES	6	U
95-47-6-----	o-XYLENE	6	U
106-93-4-----	1 2-DIBROMOETHANE	6	U
630-20-6-----	1 1 1 2-TETRACHLOROETHANE	6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB123

Lab Name: SWL-TULSA

Contract: FTHOOD RFI

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.15

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: N32778.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 14

Date Analyzed: 11/02/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

96-18-4-----1 2 3-TRICHLOROPROPANE	6	U
75-71-8-----DICHLORODIFLUOROMETHANE	6	U
75-69-4-----TRICHLOROFLUOROMETHANE	6	U
74-95-3-----DIBROMOMETHANE	6	U
96-12-8-----1 2-DIBROMO-3-CHLOROPROPANE	6	U
108-86-1-----BROMOBENZENE	6	U
104-51-8-----n-BUTYLBENZENE	6	U
98-06-6-----tert-BUTYLBENZENE	6	U
135-98-8-----sec-BUTYLBENZENE	6	U
95-49-8-----2-CHLOROTOLUENE	6	U
106-43-4-----4-CHLOROTOLUENE	6	U
95-50-1-----1 2-DICHLOROBENZENE	6	U
541-73-1-----1 3-DICHLOROBENZENE	6	U
106-46-7-----1 4-DICHLOROBENZENE	6	U
142-28-9-----1 3-DICHLOROPROPANE	6	U
594-20-7-----2 2-DICHLOROPROPANE	6	U
563-58-6-----1 1-DICHLOROPROPENE	6	U
87-68-3-----HEXACHLOROBUTADIENE	6	U
98-82-8-----ISOPROPYLBENZENE	6	U
99-87-6-----p-ISOPROPYLTOLUENE	6	U
91-20-3-----NAPHTHALENE	6	U
103-65-1-----n-PROPYLBENZENE	6	U
87-61-6-----1 2 3-TRICHLOROBENZENE	6	U
120-82-1-----1 2 4-TRICHLOROBENZENE	6	U
95-63-6-----1 2 4-TRIMETHYLBENZENE	6	U
108-67-8-----1 3 5-TRIMETHYLBENZENE	6	U
74-97-5-----BROMOCHLOROMETHANE	6	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB123

Lab Name: SWL-TULSA

Contract: FORT HOOD R

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.15

Sample wt/vol: 31.1 (g/mL) G

Lab File ID: P17883.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 14 dec.

Date Extracted: 11/02/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/06/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 8.3

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

108-95-2-----	Phenol	370	U
111-44-4-----	bis(2-Chloroethyl)ether	370	U
95-57-8-----	2-Chlorophenol	370	U
541-73-1-----	1,3-Dichlorobenzene	370	U
106-46-7-----	1,4-Dichlorobenzene	370	U
100-51-6-----	Benzyl alcohol	370	U
95-50-1-----	1,2-Dichlorobenzene	370	U
95-48-7-----	2-Methylphenol	370	U
108-60-1-----	bis(2-Chloroisopropyl)ether	370	U
106-44-5-----	4-Methylphenol	370	U
621-64-7-----	N-Nitroso-di-n-propylamine	370	U
67-72-1-----	Hexachloroethane	370	U
98-95-3-----	Nitrobenzene	370	U
78-59-1-----	Isophorone	370	U
88-75-5-----	2-Nitrophenol	370	U
105-67-9-----	2,4-Dimethylphenol	370	U
65-85-0-----	Benzoic Acid	1800	U
111-91-1-----	bis(2-Chloroethoxy)methane	370	U
120-83-2-----	2,4-Dichlorophenol	370	U
120-82-1-----	1,2,4-Trichlorobenzene	370	U
91-20-3-----	Naphthalene	370	U
106-47-8-----	4-Chloroaniline	370	U
87-68-3-----	Hexachlorobutadiene	370	U
59-50-7-----	4-Chloro-3-methylphenol	370	U
91-57-6-----	2-Methylnaphthalene	370	U
77-47-4-----	Hexachlorocyclopentadiene	370	U
88-06-2-----	2,4,6-Trichlorophenol	370	U
95-95-4-----	2,4,5-Trichlorophenol	1800	U
91-58-7-----	2-Chloronaphthalene	370	U
88-74-4-----	2-Nitroaniline	1800	U
131-11-3-----	Dimethylphthalate	370	U
208-96-8-----	Acenaphthylene	370	U
606-20-2-----	2,6-Dinitrotoluene	370	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB123

Lab Name: SWL-TULSA

Contract: FORT HOOD R

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.15

Sample wt/vol: 31.1 (g/mL) G

Lab File ID: P17883.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 14 dec.

Date Extracted: 11/02/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/06/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 8.3

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

99-09-2-----	3-Nitroaniline	1800	U
83-32-9-----	Acenaphthene	370	U
121-14-2-----	2,4-Dinitrotoluene	370	U
51-28-5-----	2,4-Dinitrophenol	1800	U
100-02-7-----	4-Nitrophenol	1800	U
132-64-9-----	Dibenzofuran	370	U
84-66-2-----	Diethylphthalate	370	U
7005-72-3-----	4-Chlorophenyl-phenylether	370	U
86-73-7-----	Fluorene	370	U
100-01-6-----	4-Nitroaniline	1800	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1800	U
86-30-6-----	N-Nitrosodiphenylamine (1)	370	U
101-55-3-----	4-Bromophenylphenylether	370	U
118-74-1-----	Hexachlorobenzene	370	U
87-86-5-----	Pentachlorophenol	1800	U
85-01-8-----	Phenanthrene	370	U
120-12-7-----	Anthracene	370	U
84-74-2-----	Di-n-butylphthalate	370	U
206-44-0-----	Fluoranthene	370	U
129-00-0-----	Pyrene	370	U
85-68-7-----	Butylbenzylphthalate	370	U
91-94-1-----	3,3'-Dichlorobenzidine	740	U
56-55-3-----	Benzo(a)anthracene	370	U
218-01-9-----	Chrysene	370	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	370	U
117-84-0-----	Di-n-octylphthalate	370	U
205-99-2-----	Benzo(b)fluoranthene	370	U
207-08-9-----	Benzo(k)fluoranthene	370	U
50-32-8-----	Benzo(a)pyrene	370	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	370	U
53-70-3-----	Dibenz(a,h)anthracene	370	U
191-24-2-----	Benzo(g,h,i)perylene	370	U
110-86-1-----	Pyridine	370	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB123

Lab Name: SWL-TULSA

Contract: FORT HOOD R

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.15

Sample wt/vol: 31.1 (g/mL) G

Lab File ID: P17883.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 14 dec.

Date Extracted: 11/02/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/06/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 8.3

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

95-94-3-----1,2,4,5-Tetrachlorobenzene__

370

U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB123RE

Lab Name: SWL-TULSA

Contract: FORT HOOD R

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.15RA

Sample wt/vol: 31.1 (g/mL) G

Lab File ID: P17902.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 14 dec.

Date Extracted: 11/02/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/09/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 8.3

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

108-95-2-----	Phenol	370	U
111-44-4-----	bis(2-Chloroethyl)ether	370	U
95-57-8-----	2-Chlorophenol	370	U
541-73-1-----	1,3-Dichlorobenzene	370	U
106-46-7-----	1,4-Dichlorobenzene	370	U
100-51-6-----	Benzyl alcohol	370	U
95-50-1-----	1,2-Dichlorobenzene	370	U
95-48-7-----	2-Methylphenol	370	U
108-60-1-----	bis(2-Chloroisopropyl)ether	370	U
106-44-5-----	4-Methylphenol	370	U
621-64-7-----	N-Nitroso-di-n-propylamine	370	U
67-72-1-----	Hexachloroethane	370	U
98-95-3-----	Nitrobenzene	370	U
78-59-1-----	Isophorone	370	U
88-75-5-----	2-Nitrophenol	370	U
105-67-9-----	2,4-Dimethylphenol	370	U
65-85-0-----	Benzoic Acid	1800	U
111-91-1-----	bis(2-Chloroethoxy)methane	370	U
120-83-2-----	2,4-Dichlorophenol	370	U
120-82-1-----	1,2,4-Trichlorobenzene	370	U
91-20-3-----	Naphthalene	370	U
106-47-8-----	4-Chloroaniline	370	U
87-68-3-----	Hexachlorobutadiene	370	U
59-50-7-----	4-Chloro-3-methylphenol	370	U
91-57-6-----	2-Methylnaphthalene	370	U
77-47-4-----	Hexachlorocyclopentadiene	370	U
88-06-2-----	2,4,6-Trichlorophenol	370	U
95-95-4-----	2,4,5-Trichlorophenol	1800	U
91-58-7-----	2-Chloronaphthalene	370	U
88-74-4-----	2-Nitroaniline	1800	U
131-11-3-----	Dimethylphthalate	370	U
208-96-8-----	Acenaphthylene	370	U
606-20-2-----	2,6-Dinitrotoluene	370	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB123RE

Lab Name: SWL-TULSA

Contract: FORT HOOD R

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.15RA

Sample wt/vol: 31.1 (g/mL) G

Lab File ID: P17902.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 14 dec.

Date Extracted: 11/02/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/09/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 8.3

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

99-09-2-----3-Nitroaniline	1800	U
83-32-9-----Acenaphthene	370	U
121-14-2-----2,4-Dinitrotoluene	370	U
51-28-5-----2,4-Dinitrophenol	1800	U
100-02-7-----4-Nitrophenol	1800	U
132-64-9-----Dibenzofuran	370	U
84-66-2-----Diethylphthalate	370	U
7005-72-3-----4-Chlorophenyl-phenylether	370	U
86-73-7-----Fluorene	370	U
100-01-6-----4-Nitroaniline	1800	U
534-52-1-----4,6-Dinitro-2-methylphenol	1800	U
86-30-6-----N-Nitrosodiphenylamine (1)	370	U
101-55-3-----4-Bromophenylphenylether	370	U
118-74-1-----Hexachlorobenzene	370	U
87-86-5-----Pentachlorophenol	1800	U
85-01-8-----Phenanthrene	370	U
120-12-7-----Anthracene	370	U
84-74-2-----Di-n-butylphthalate	370	U
206-44-0-----Fluoranthene	370	U
129-00-0-----Pyrene	370	U
85-68-7-----Butylbenzylphthalate	370	U
91-94-1-----3,3'-Dichlorobenzidine	740	U
56-55-3-----Benzo(a)anthracene	370	U
218-01-9-----Chrysene	370	U
117-81-7-----bis(2-Ethylhexyl)phthalate	370	U
117-84-0-----Di-n-octylphthalate	370	U
205-99-2-----Benzo(b)fluoranthene	370	U
207-08-9-----Benzo(k)fluoranthene	370	U
50-32-8-----Benzo(a)pyrene	370	U
193-39-5-----Indeno(1,2,3-cd)pyrene	370	U
53-70-3-----Dibenz(a,h)anthracene	370	U
191-24-2-----Benzo(g,h,i)perylene	370	U
110-86-1-----Pyridine	370	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB123RE

Lab Name: SWL-TULSA

Contract: FORT HOOD R

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.15RA

Sample wt/vol: 31.1 (g/mL) G

Lab File ID: P17902.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 14 dec.

Date Extracted: 11/02/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/09/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 8.3

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

95-94-3-----1,2,4,5-Tetrachlorobenzene__

370

U

10SB123

Concentration Units (ug/L or mg/kg dry weight): MG/KG.

[illegible]

Texture: MEDIUM
Artifacts:

Comments :

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB124

Lab Name: SWL-TULSA

Contract: FTHOOD RFI

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.16

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: N32779.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 13

Date Analyzed: 11/02/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

74-87-3-----	CHLOROMETHANE	6	U
74-83-9-----	BROMOMETHANE	6	U
75-01-4-----	VINYL CHLORIDE	6	U
75-00-3-----	CHLOROETHANE	6	U
75-09-2-----	METHYLENE CHLORIDE	3	JB
67-64-1-----	ACETONE	12	
75-35-4-----	1 1-DICHLOROETHENE	6	U
75-34-3-----	1 1-DICHLOROETHANE	6	U
67-66-3-----	CHLOROFORM	6	U
107-06-2-----	1 2-DICHLOROETHANE	6	U
78-93-3-----	2-BUTANONE	6	U
71-55-6-----	1 1 1-TRICHLOROETHANE	6	U
56-23-5-----	CARBON TETRACHLORIDE	6	U
75-27-4-----	BROMODICHLOROMETHANE	6	U
78-87-5-----	1 2-DICHLOROPROPANE	6	U
79-01-6-----	TRICHLOROETHENE	6	U
124-48-1-----	DIBROMOCHLOROMETHANE	6	U
79-00-5-----	1 1 2-TRICHLOROETHANE	6	U
71-43-2-----	BENZENE	6	U
75-25-2-----	BROMOFORM	6	U
108-10-1-----	4-METHYL-2-PENTANONE	6	U
591-78-6-----	2-HEXANONE	6	U
127-18-4-----	TETRACHLOROETHENE	6	U
108-88-3-----	TOLUENE	6	U
79-34-5-----	1 1 2 2-TETRACHLOROETHANE	6	U
108-90-7-----	CHLOROBENZENE	6	U
100-41-4-----	ETHYL BENZENE	6	U
100-42-5-----	STYRENE	6	U
156-59-2-----	cis-1 2-DICHLOROETHENE	6	U
156-60-5-----	trans-1 2-DICHLOROETHENE	6	U
13-302-07-----	m,p-XYLENES	6	U
95-47-6-----	o-XYLENE	6	U
106-93-4-----	1 2-DIBROMOETHANE	6	U
630-20-6-----	1 1 1 2-TETRACHLOROETHANE	6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB124

Lab Name: SWL-TULSA

Contract: FTHOOD RFI

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.16

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: N32779.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 13

Date Analyzed: 11/02/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

96-18-4-----1 2 3-TRICHLOROPROPANE	6	U
75-71-8-----DICHLORODIFLUOROMETHANE	6	U
75-69-4-----TRICHLOROFLUOROMETHANE	6	U
74-95-3-----DIBROMOMETHANE	6	U
96-12-8-----1 2-DIBROMO-3-CHLOROPROPANE	6	U
108-86-1-----BROMOBENZENE	6	U
104-51-8-----n-BUTYLBENZENE	6	U
98-06-6-----tert-BUTYLBENZENE	6	U
135-98-8-----sec-BUTYLBENZENE	6	U
95-49-8-----2-CHLOROTOLUENE	6	U
106-43-4-----4-CHLOROTOLUENE	6	U
95-50-1-----1 2-DICHLOROBENZENE	6	U
541-73-1-----1 3-DICHLOROBENZENE	6	U
106-46-7-----1 4-DICHLOROBENZENE	6	U
142-28-9-----1 3-DICHLOROPROPANE	6	U
594-20-7-----2 2-DICHLOROPROPANE	6	U
563-58-6-----1 1-DICHLOROPROPENE	6	U
87-68-3-----HEXACHLOROBUTADIENE	6	U
98-82-8-----ISOPROPYLBENZENE	6	U
99-87-6-----p-ISOPROPYLTOLUENE	6	U
91-20-3-----NAPHTHALENE	6	U
103-65-1-----n-PROPYLBENZENE	6	U
87-61-6-----1 2 3-TRICHLOROBENZENE	6	U
120-82-1-----1 2 4-TRICHLOROBENZENE	6	U
95-63-6-----1 2 4-TRIMETHYLBENZENE	6	U
108-67-8-----1 3 5-TRIMETHYLBENZENE	6	U
74-97-5-----BROMOCHLOROMETHANE	6	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB124

Lab Name: SWL-TULSA

Contract: FORT HOOD R

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.16

Sample wt/vol: 32.8 (g/mL) G

Lab File ID: P17884.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 13 dec.

Date Extracted: 11/02/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/06/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 8.2

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

108-95-2-----Phenol	350	U
111-44-4-----bis(2-Chloroethyl)ether	350	U
95-57-8-----2-Chlorophenol	350	U
541-73-1-----1,3-Dichlorobenzene	350	U
106-46-7-----1,4-Dichlorobenzene	350	U
100-51-6-----Benzyl alcohol	350	U
95-50-1-----1,2-Dichlorobenzene	350	U
95-48-7-----2-Methylphenol	350	U
108-60-1-----bis(2-Chloroisopropyl)ether	350	U
106-44-5-----4-Methylphenol	350	U
621-64-7-----N-Nitroso-di-n-propylamine	350	U
67-72-1-----Hexachloroethane	350	U
98-95-3-----Nitrobenzene	350	U
78-59-1-----Isophorone	350	U
88-75-5-----2-Nitrophenol	350	U
105-67-9-----2,4-Dimethylphenol	350	U
65-85-0-----Benzoic Acid	1700	U
111-91-1-----bis(2-Chloroethoxy)methane	350	U
120-83-2-----2,4-Dichlorophenol	350	U
120-82-1-----1,2,4-Trichlorobenzene	350	U
91-20-3-----Naphthalene	350	U
106-47-8-----4-Chloroaniline	350	U
87-68-3-----Hexachlorobutadiene	350	U
59-50-7-----4-Chloro-3-methylphenol	350	U
91-57-6-----2-Methylnaphthalene	350	U
77-47-4-----Hexachlorocyclopentadiene	350	U
88-06-2-----2,4,6-Trichlorophenol	350	U
95-95-4-----2,4,5-Trichlorophenol	1700	U
91-58-7-----2-Chloronaphthalene	350	U
88-74-4-----2-Nitroaniline	1700	U
131-11-3-----Dimethylphthalate	350	U
208-96-8-----Acenaphthylene	350	U
606-20-2-----2,6-Dinitrotoluene	350	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB124

Lab Name: SWL-TULSA

Contract: FORT HOOD R

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.16

Sample wt/vol: 32.8 (g/mL) G

Lab File ID: P17884.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 13 dec.

Date Extracted: 11/02/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/06/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 8.2

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

99-09-2-----	3-Nitroaniline	1700	U
83-32-9-----	Acenaphthene	350	U
121-14-2-----	2,4-Dinitrotoluene	350	U
51-28-5-----	2,4-Dinitrophenol	1700	U
100-02-7-----	4-Nitrophenol	1700	U
132-64-9-----	Dibenzofuran	350	U
84-66-2-----	Diethylphthalate	350	U
7005-72-3-----	4-Chlorophenyl-phenylether	350	U
86-73-7-----	Fluorene	350	U
100-01-6-----	4-Nitroaniline	1700	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1700	U
86-30-6-----	N-Nitrosodiphenylamine (1)	350	U
101-55-3-----	4-Bromophenylphenylether	350	U
118-74-1-----	Hexachlorobenzene	350	U
87-86-5-----	Pentachlorophenol	1700	U
85-01-8-----	Phenanthrene	350	U
120-12-7-----	Anthracene	350	U
84-74-2-----	Di-n-butylphthalate	350	U
206-44-0-----	Fluoranthene	350	U
129-00-0-----	Pyrene	350	U
85-68-7-----	Butylbenzylphthalate	350	U
91-94-1-----	3,3'-Dichlorobenzidine	690	U
56-55-3-----	Benzo(a)anthracene	350	U
218-01-9-----	Chrysene	350	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	350	U
117-84-0-----	Di-n-octylphthalate	350	U
205-99-2-----	Benzo(b)fluoranthene	350	U
207-08-9-----	Benzo(k)fluoranthene	350	U
50-32-8-----	Benzo(a)pyrene	350	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	350	U
53-70-3-----	Dibenz(a,h)anthracene	350	U
191-24-2-----	Benzo(g,h,i)perylene	350	U
110-86-1-----	Pyridine	350	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB124

Lab Name: SWL-TULSA

Contract: FORT HOOD R

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.16

Sample wt/vol: 32.8 (g/mL) G

Lab File ID: P17884.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 13 dec.

Date Extracted: 11/02/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/06/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 8.2

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

95-94-3-----1,2,4,5-Tetrachlorobenzene__

350

U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB124RE

Lab Name: SWL-TULSA

Contract: FORT HOOD R

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.16RA

Sample wt/vol: 32.8 (g/mL) G

Lab File ID: P17903.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 13 dec.

Date Extracted: 11/02/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/09/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 8.2

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

108-95-2-----Phenol	350	U
111-44-4-----bis(2-Chloroethyl)ether	350	U
95-57-8-----2-Chlorophenol	350	U
541-73-1-----1,3-Dichlorobenzene	350	U
106-46-7-----1,4-Dichlorobenzene	350	U
100-51-6-----Benzyl alcohol	350	U
95-50-1-----1,2-Dichlorobenzene	350	U
95-48-7-----2-Methylphenol	350	U
108-60-1-----bis(2-Chloroisopropyl)ether	350	U
106-44-5-----4-Methylphenol	350	U
621-64-7-----N-Nitroso-di-n-propylamine	350	U
67-72-1-----Hexachloroethane	350	U
98-95-3-----Nitrobenzene	350	U
78-59-1-----Isophorone	350	U
88-75-5-----2-Nitrophenol	350	U
105-67-9-----2,4-Dimethylphenol	350	U
65-85-0-----Benzoic Acid	1700	U
111-91-1-----bis(2-Chloroethoxy)methane	350	U
120-83-2-----2,4-Dichlorophenol	350	U
120-82-1-----1,2,4-Trichlorobenzene	350	U
91-20-3-----Naphthalene	350	U
106-47-8-----4-Chloroaniline	350	U
87-68-3-----Hexachlorobutadiene	350	U
59-50-7-----4-Chloro-3-methylphenol	350	U
91-57-6-----2-Methylnaphthalene	350	U
77-47-4-----Hexachlorocyclopentadiene	350	U
88-06-2-----2,4,6-Trichlorophenol	350	U
95-95-4-----2,4,5-Trichlorophenol	1700	U
91-58-7-----2-Chloronaphthalene	350	U
88-74-4-----2-Nitroaniline	1700	U
131-11-3-----Dimethylphthalate	350	U
208-96-8-----Acenaphthylene	350	U
606-20-2-----2,6-Dinitrotoluene	350	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB124RE

Lab Name: SWL-TULSA

Contract: FORT HOOD R

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.16RA

Sample wt/vol: 32.8 (g/mL) G

Lab File ID: P17903.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 13 dec.

Date Extracted: 11/02/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/09/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 8.2

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

99-09-2-----	3-Nitroaniline	1700	U
83-32-9-----	Acenaphthene	350	U
121-14-2-----	2,4-Dinitrotoluene	350	U
51-28-5-----	2,4-Dinitrophenol	1700	U
100-02-7-----	4-Nitrophenol	1700	U
132-64-9-----	Dibenzofuran	350	U
84-66-2-----	Diethylphthalate	350	U
7005-72-3-----	4-Chlorophenyl-phenylether	350	U
86-73-7-----	Fluorene	350	U
100-01-6-----	4-Nitroaniline	1700	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1700	U
86-30-6-----	N-Nitrosodiphenylamine (1)	350	U
101-55-3-----	4-Bromophenylphenylether	350	U
118-74-1-----	Hexachlorobenzene	350	U
87-86-5-----	Pentachlorophenol	1700	U
85-01-8-----	Phenanthrene	350	U
120-12-7-----	Anthracene	350	U
84-74-2-----	Di-n-butylphthalate	350	U
206-44-0-----	Fluoranthene	350	U
129-00-0-----	Pyrene	350	U
85-68-7-----	Butylbenzylphthalate	350	U
91-94-1-----	3,3'-Dichlorobenzidine	690	U
56-55-3-----	Benzo(a)anthracene	350	U
218-01-9-----	Chrysene	350	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	350	U
117-84-0-----	Di-n-octylphthalate	350	U
205-99-2-----	Benzo(b)fluoranthene	350	U
207-08-9-----	Benzo(k)fluoranthene	350	U
50-32-8-----	Benzo(a)pyrene	350	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	350	U
53-70-3-----	Dibenz(a,h)anthracene	350	U
191-24-2-----	Benzo(g,h,i)perylene	350	U
110-86-1-----	Pyridine	350	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB124RE

Lab Name: SWL-TULSA

Contract: FORT HOOD R

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.16RA

Sample wt/vol: 32.8 (g/mL) G

Lab File ID: P17903.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 13 dec.

Date Extracted: 11/02/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/09/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 8.2

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

95-94-3-----1,2,4,5-Tetrachlorobenzene__

350

U

1

INORGANIC ANALYSES DATA SHEET

CLIENT SAMPLE ID

10SB124

Lab Name: SOUTHWEST LABS OF OK Contract: SAIC
Lab Code: SWOK Case No.: 36197 SAS No.: SDG No.: 36197A
Matrix (soil/~~water~~): SOIL Lab Sample ID: 36197.16
Level (low/~~med~~): LOW Date Received: 10/31/98
% Solids: 87.2

~~Concentration~~ Units (ug/L or mg/kg dry weight): MG/KG

[illegible]

Color Before: GREY
Color After: YELLOW

Clarity Before: _____
Clarity After: CLEAR

Texture: MEDIUM
Artifacts:

Comments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB125

Lab Name: SWL-TULSA

Contract: FTHOOD RFI

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.17

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: N32799.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 19

Date Analyzed: 11/03/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

74-87-3-----	CHLOROMETHANE	6	U
74-83-9-----	BROMOMETHANE	6	U
75-01-4-----	VINYL CHLORIDE	6	U
75-00-3-----	CHLOROETHANE	6	U
75-09-2-----	METHYLENE CHLORIDE	6	U
67-64-1-----	ACETONE	9	
75-35-4-----	1 1-DICHLOROETHENE	6	U
75-34-3-----	1 1-DICHLOROETHANE	6	U
67-66-3-----	CHLOROFORM	6	U
107-06-2-----	1 2-DICHLOROETHANE	6	U
78-93-3-----	2-BUTANONE	6	U
71-55-6-----	1 1 1-TRICHLOROETHANE	6	U
56-23-5-----	CARBON TETRACHLORIDE	6	U
75-27-4-----	BROMODICHLOROMETHANE	6	U
78-87-5-----	1 2-DICHLOROPROPANE	6	U
79-01-6-----	TRICHLOROETHENE	6	U
124-48-1-----	DIBROMOCHLOROMETHANE	6	U
79-00-5-----	1 1 2-TRICHLOROETHANE	6	U
71-43-2-----	BENZENE	6	U
75-25-2-----	BROMOFORM	6	U
108-10-1-----	4-METHYL-2-PENTANONE	6	U
591-78-6-----	2-HEXANONE	6	U
127-18-4-----	TETRACHLOROETHENE	6	U
108-88-3-----	TOLUENE	6	U
79-34-5-----	1 1 2 2-TETRACHLOROETHANE	6	U
108-90-7-----	CHLOROBENZENE	2	J
100-41-4-----	ETHYL BENZENE	6	U
100-42-5-----	STYRENE	6	U
156-59-2-----	cis-1 2-DICHLOROETHENE	6	U
156-60-5-----	trans-1 2-DICHLOROETHENE	6	U
13-302-07-----	m,p-XYLENES	6	U
95-47-6-----	o-XYLENE	6	U
106-93-4-----	1 2-DIBROMOETHANE	6	U
630-20-6-----	1 1 1 2-TETRACHLOROETHANE	6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB125

Lab Name: SWL-TULSA

Contract: FTHOOD RFI

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.17

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: N32799.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 19

Date Analyzed: 11/03/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

96-18-4-----1 2 3-TRICHLOROPROPANE	6	U
75-71-8-----DICHLORODIFLUOROMETHANE	6	U
75-69-4-----TRICHLOROFLUOROMETHANE	6	U
74-95-3-----DIBROMOMETHANE	6	U
96-12-8-----1 2-DIBROMO-3-CHLOROPROPANE	6	U
108-86-1-----BROMOBENZENE	6	U
104-51-8-----n-BUTYLBENZENE	6	U
98-06-6-----tert-BUTYLBENZENE	6	U
135-98-8-----sec-BUTYLBENZENE	6	U
95-49-8-----2-CHLOROTOLUENE	6	U
106-43-4-----4-CHLOROTOLUENE	6	U
95-50-1-----1 2-DICHLOROBENZENE	6	U
541-73-1-----1 3-DICHLOROBENZENE	6	U
106-46-7-----1 4-DICHLOROBENZENE	2	J
142-28-9-----1 3-DICHLOROPROPANE	6	U
594-20-7-----2 2-DICHLOROPROPANE	6	U
563-58-6-----1 1-DICHLOROPROPENE	6	U
87-68-3-----HEXACHLOROBUTADIENE	6	U
98-82-8-----ISOPROPYLBENZENE	6	U
99-87-6-----p-ISOPROPYLTOLUENE	6	U
91-20-3-----NAPHTHALENE	2	J
103-65-1-----n-PROPYLBENZENE	6	U
87-61-6-----1 2 3-TRICHLOROBENZENE	6	U
120-82-1-----1 2 4-TRICHLOROBENZENE	6	U
95-63-6-----1 2 4-TRIMETHYLBENZENE	6	U
108-67-8-----1 3 5-TRIMETHYLBENZENE	6	U
74-97-5-----BROMOCHLOROMETHANE	6	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB125

Lab Name: SWL-TULSA

Contract: FORT HOOD R

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.17

Sample wt/vol: 31.3 (g/mL) G

Lab File ID: P17885.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 19 dec.

Date Extracted: 11/02/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/06/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 8.3

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

108-95-2-----	Phenol	390	U
111-44-4-----	bis(2-Chloroethyl)ether	390	U
95-57-8-----	2-Chlorophenol	390	U
541-73-1-----	1,3-Dichlorobenzene	390	U
106-46-7-----	1,4-Dichlorobenzene	45	J
100-51-6-----	Benzyl alcohol	390	U
95-50-1-----	1,2-Dichlorobenzene	390	U
95-48-7-----	2-Methylphenol	390	U
108-60-1-----	bis(2-Chloroisopropyl)ether	390	U
106-44-5-----	4-Methylphenol	390	U
621-64-7-----	N-Nitroso-di-n-propylamine	390	U
67-72-1-----	Hexachloroethane	390	U
98-95-3-----	Nitrobenzene	390	U
78-59-1-----	Isophorone	390	U
88-75-5-----	2-Nitrophenol	390	U
105-67-9-----	2,4-Dimethylphenol	390	U
65-85-0-----	Benzoic Acid	1900	U
111-91-1-----	bis(2-Chloroethoxy)methane	390	U
120-83-2-----	2,4-Dichlorophenol	390	U
120-82-1-----	1,2,4-Trichlorobenzene	390	U
91-20-3-----	Naphthalene	390	U
106-47-8-----	4-Chloroaniline	390	U
87-68-3-----	Hexachlorobutadiene	390	U
59-50-7-----	4-Chloro-3-methylphenol	390	U
91-57-6-----	2-Methylnaphthalene	390	U
77-47-4-----	Hexachlorocyclopentadiene	390	U
88-06-2-----	2,4,6-Trichlorophenol	390	U
95-95-4-----	2,4,5-Trichlorophenol	1900	U
91-58-7-----	2-Chloronaphthalene	390	U
88-74-4-----	2-Nitroaniline	1900	U
131-11-3-----	Dimethylphthalate	390	U
208-96-8-----	Acenaphthylene	390	U
606-20-2-----	2,6-Dinitrotoluene	390	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB125

Lab Name: SWL-TULSA

Contract: FORT HOOD R

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.17

Sample wt/vol: 31.3 (g/mL) G

Lab File ID: P17885.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 19 dec.

Date Extracted: 11/02/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/06/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 8.3

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

99-09-2-----	3-Nitroaniline	1900	U
83-32-9-----	Acenaphthene	390	U
121-14-2-----	2,4-Dinitrotoluene	390	U
51-28-5-----	2,4-Dinitrophenol	1900	U
100-02-7-----	4-Nitrophenol	1900	U
132-64-9-----	Dibenzofuran	390	U
84-66-2-----	Diethylphthalate	390	U
7005-72-3-----	4-Chlorophenyl-phenylether	390	U
86-73-7-----	Fluorene	390	U
100-01-6-----	4-Nitroaniline	1900	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1900	U
86-30-6-----	N-Nitrosodiphenylamine (1)	390	U
101-55-3-----	4-Bromophenylphenylether	390	U
118-74-1-----	Hexachlorobenzene	390	U
87-86-5-----	Pentachlorophenol	1900	U
85-01-8-----	Phenanthrene	390	U
120-12-7-----	Anthracene	390	U
84-74-2-----	Di-n-butylphthalate	390	U
206-44-0-----	Fluoranthene	390	U
129-00-0-----	Pyrene	390	U
85-68-7-----	Butylbenzylphthalate	390	U
91-94-1-----	3,3'-Dichlorobenzidine	780	U
56-55-3-----	Benzo(a)anthracene	390	U
218-01-9-----	Chrysene	390	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	230	J
117-84-0-----	Di-n-octylphthalate	390	U
205-99-2-----	Benzo(b)fluoranthene	390	U
207-08-9-----	Benzo(k)fluoranthene	390	U
50-32-8-----	Benzo(a)pyrene	390	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	390	U
53-70-3-----	Dibenz(a,h)anthracene	390	U
191-24-2-----	Benzo(g,h,i)perylene	390	U
110-86-1-----	Pyridine	390	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB125

Lab Name: SWL-TULSA

Contract: FORT HOOD R

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.17

Sample wt/vol: 31.3 (g/mL) G

Lab File ID: P17885.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 19 dec.

Date Extracted: 11/02/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/06/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 8.3

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

95-94-3-----1,2,4,5-Tetrachlorobenzene__

390

U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB125RE

Lab Name: SWL-TULSA

Contract: FORT HOOD R

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.17RA

Sample wt/vol: 31.3 (g/mL) G

Lab File ID: P17904.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 19 dec.

Date Extracted: 11/02/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/09/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 8.3

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

108-95-2-----	Phenol	390	U
111-44-4-----	bis(2-Chloroethyl)ether	390	U
95-57-8-----	2-Chlorophenol	390	U
541-73-1-----	1,3-Dichlorobenzene	390	U
106-46-7-----	1,4-Dichlorobenzene	44	J
100-51-6-----	Benzyl alcohol	390	U
95-50-1-----	1,2-Dichlorobenzene	390	U
95-48-7-----	2-Methylphenol	390	U
108-60-1-----	bis(2-Chloroisopropyl)ether	390	U
106-44-5-----	4-Methylphenol	390	U
621-64-7-----	N-Nitroso-di-n-propylamine	390	U
67-72-1-----	Hexachloroethane	390	U
98-95-3-----	Nitrobenzene	390	U
78-59-1-----	Isophorone	390	U
88-75-5-----	2-Nitrophenol	390	U
105-67-9-----	2,4-Dimethylphenol	390	U
65-85-0-----	Benzoic Acid	1900	U
111-91-1-----	bis(2-Chloroethoxy)methane	390	U
120-83-2-----	2,4-Dichlorophenol	390	U
120-82-1-----	1,2,4-Trichlorobenzene	390	U
91-20-3-----	Naphthalene	390	U
106-47-8-----	4-Chloroaniline	390	U
87-68-3-----	Hexachlorobutadiene	390	U
59-50-7-----	4-Chloro-3-methylphenol	390	U
91-57-6-----	2-Methylnaphthalene	390	U
77-47-4-----	Hexachlorocyclopentadiene	390	U
88-06-2-----	2,4,6-Trichlorophenol	390	U
95-95-4-----	2,4,5-Trichlorophenol	1900	U
91-58-7-----	2-Chloronaphthalene	390	U
88-74-4-----	2-Nitroaniline	1900	U
131-11-3-----	Dimethylphthalate	390	U
208-96-8-----	Acenaphthylene	390	U
606-20-2-----	2,6-Dinitrotoluene	390	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB125RE

Lab Name: SWL-TULSA

Contract: FORT HOOD R

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.17RA

Sample wt/vol: 31.3 (g/mL) G

Lab File ID: P17904.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 19 dec.

Date Extracted: 11/02/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/09/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 8.3

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

99-09-2-----	3-Nitroaniline	1900	U
83-32-9-----	Acenaphthene	390	U
121-14-2-----	2,4-Dinitrotoluene	390	U
51-28-5-----	2,4-Dinitrophenol	1900	U
100-02-7-----	4-Nitrophenol	1900	U
132-64-9-----	Dibenzofuran	390	U
84-66-2-----	Diethylphthalate	390	U
7005-72-3-----	4-Chlorophenyl-phenylether	390	U
86-73-7-----	Fluorene	390	U
100-01-6-----	4-Nitroaniline	1900	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1900	U
86-30-6-----	N-Nitrosodiphenylamine (1)	390	U
101-55-3-----	4-Bromophenylphenylether	390	U
118-74-1-----	Hexachlorobenzene	390	U
87-86-5-----	Pentachlorophenol	1900	U
85-01-8-----	Phenanthrene	390	U
120-12-7-----	Anthracene	390	U
84-74-2-----	Di-n-butylphthalate	390	U
206-44-0-----	Fluoranthene	390	U
129-00-0-----	Pyrene	390	U
85-68-7-----	Butylbenzylphthalate	390	U
91-94-1-----	3,3'-Dichlorobenzidine	780	U
56-55-3-----	Benzo(a)anthracene	390	U
218-01-9-----	Chrysene	390	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	220	J
117-84-0-----	Di-n-octylphthalate	390	U
205-99-2-----	Benzo(b)fluoranthene	390	U
207-08-9-----	Benzo(k)fluoranthene	390	U
50-32-8-----	Benzo(a)pyrene	390	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	390	U
53-70-3-----	Dibenz(a,h)anthracene	390	U
191-24-2-----	Benzo(g,h,i)perylene	390	U
110-86-1-----	Pyridine	390	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB125RE

Lab Name: SWL-TULSA

Contract: FORT HOOD R

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.17RA

Sample wt/vol: 31.3 (g/mL) G

Lab File ID: P17904.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 19 dec.

Date Extracted: 11/02/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/09/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 8.3

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

95-94-3-----1,2,4,5-Tetrachlorobenzene__

390

U

10SB125

[illegible]

Texture: MEDIUM
Artifacts:

FORM I - IN

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB126

Lab Name: SWL-TULSA

Contract: FTHOOD RFI

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.18

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: N32781.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 20

Date Analyzed: 11/02/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

74-87-3-----	CHLOROMETHANE	6	U
74-83-9-----	BROMOMETHANE	6	U
75-01-4-----	VINYL CHLORIDE	6	U
75-00-3-----	CHLOROETHANE	6	U
75-09-2-----	METHYLENE CHLORIDE	6	JB
67-64-1-----	ACETONE	17	
75-35-4-----	1 1-DICHLOROETHENE	6	U
75-34-3-----	1 1-DICHLOROETHANE	6	U
67-66-3-----	CHLOROFORM	6	U
107-06-2-----	1 2-DICHLOROETHANE	6	U
78-93-3-----	2-BUTANONE	6	U
71-55-6-----	1 1 1-TRICHLOROETHANE	6	U
56-23-5-----	CARBON TETRACHLORIDE	6	U
75-27-4-----	BROMODICHLOROMETHANE	6	U
78-87-5-----	1 2-DICHLOROPROPANE	6	U
79-01-6-----	TRICHLOROETHENE	6	U
124-48-1-----	DIBROMOCHLOROMETHANE	6	U
79-00-5-----	1 1 2-TRICHLOROETHANE	6	U
71-43-2-----	BENZENE	6	U
75-25-2-----	BROMOFORM	6	U
108-10-1-----	4-METHYL-2-PENTANONE	6	U
591-78-6-----	2-HEXANONE	6	U
127-18-4-----	TETRACHLOROETHENE	6	U
108-88-3-----	TOLUENE	6	U
79-34-5-----	1 1 2 2-TETRACHLOROETHANE	6	U
108-90-7-----	CHLOROBENZENE	180	
100-41-4-----	ETHYL BENZENE	6	U
100-42-5-----	STYRENE	6	U
156-59-2-----	cis-1 2-DICHLOROETHENE	6	U
156-60-5-----	trans-1 2-DICHLOROETHENE	6	U
13-302-07-----	m,p-XYLENES	6	U
95-47-6-----	o-XYLENE	4	J
106-93-4-----	1 2-DIBROMOETHANE	6	U
630-20-6-----	1 1 1 2-TETRACHLOROETHANE	6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB126

Lab Name: SWL-TULSA

Contract: FTHOOD RFI

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.18

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: N32781.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 20

Date Analyzed: 11/02/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

96-18-4-----1 2 3-TRICHLOROPROPANE	6	U
75-71-8-----DICHLORODIFLUOROMETHANE	6	U
75-69-4-----TRICHLOROFLUOROMETHANE	6	U
74-95-3-----DIBROMOMETHANE	6	U
96-12-8-----1 2-DIBROMO-3-CHLOROPROPANE	6	U
108-86-1-----BROMOBENZENE	6	U
104-51-8-----n-BUTYLBENZENE	230	
98-06-6-----tert-BUTYLBENZENE	17	
135-98-8-----sec-BUTYLBENZENE	140	
95-49-8-----2-CHLOROTOLUENE	4	J
106-43-4-----4-CHLOROTOLUENE	6	U
95-50-1-----1 2-DICHLOROBENZENE	6	U
541-73-1-----1 3-DICHLOROBENZENE	6	U
106-46-7-----1 4-DICHLOROBENZENE	470	E
142-28-9-----1 3-DICHLOROPROPANE	6	U
594-20-7-----2 2-DICHLOROPROPANE	6	U
563-58-6-----1 1-DICHLOROPROPENE	6	U
87-68-3-----HEXACHLOROBTADIENE	6	U
98-82-8-----ISOPROPYLBENZENE	86	
99-87-6-----p-ISOPROPYLTOLUENE	6	U
91-20-3-----NAPHTHALENE	1100	E
103-65-1-----n-PROPYLBENZENE	210	
87-61-6-----1 2 3-TRICHLOROBENZENE	6	U
120-82-1-----1 2 4-TRICHLOROBENZENE	6	U
95-63-6-----1 2 4-TRIMETHYLBENZENE	6	U
108-67-8-----1 3 5-TRIMETHYLBENZENE	6	U
74-97-5-----BROMOCHLOROMETHANE	6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB126DL

Lab Name: SWL-TULSA

Contract: FTHOOD RFI

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.18DL

Sample wt/vol: 4.0 (g/mL) G

Lab File ID: R31165.D

Level: (low/med) MED

Date Received: 10/31/98

% Moisture: not dec. 20

Date Analyzed: 11/04/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

74-87-3-----	CHLOROMETHANE	780	U
74-83-9-----	BROMOMETHANE	780	U
75-01-4-----	VINYL CHLORIDE	780	U
75-00-3-----	CHLOROETHANE	780	U
75-09-2-----	METHYLENE CHLORIDE	780	U
67-64-1-----	ACETONE	780	U
75-35-4-----	1 1-DICHLOROETHENE	780	U
75-34-3-----	1 1-DICHLOROETHANE	780	U
67-66-3-----	CHLOROFORM	780	U
107-06-2-----	1 2-DICHLOROETHANE	780	U
78-93-3-----	2-BUTANONE	780	U
71-55-6-----	1 1 1-TRICHLOROETHANE	780	U
56-23-5-----	CARBON TETRACHLORIDE	780	U
75-27-4-----	BROMODICHLOROMETHANE	780	U
78-87-5-----	1 2-DICHLOROPROPANE	780	U
79-01-6-----	TRICHLOROETHENE	780	U
124-48-1-----	DIBROMOCHLOROMETHANE	780	U
79-00-5-----	1 1 2-TRICHLOROETHANE	780	U
71-43-2-----	BENZENE	780	U
75-25-2-----	BROMOFORM	780	U
108-10-1-----	4-METHYL-2-PENTANONE	780	U
591-78-6-----	2-HEXANONE	780	U
127-18-4-----	TETRACHLOROETHENE	780	U
108-88-3-----	TOLUENE	780	U
79-34-5-----	1 1 2 2-TETRACHLOROETHANE	780	U
108-90-7-----	CHLOROBENZENE	460	JD
100-41-4-----	ETHYL BENZENE	780	U
100-42-5-----	STYRENE	780	U
156-59-2-----	cis-1 2-DICHLOROETHENE	780	U
156-60-5-----	trans-1 2-DICHLOROETHENE	780	U
13-302-07-----	m,p-XYLENES	780	U
95-47-6-----	o-XYLENE	780	U
106-93-4-----	1 2-DIBROMOETHANE	780	U
630-20-6-----	1 1 1 2-TETRACHLOROETHANE	780	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB126DL

Lab Name: SWL-TULSA

Contract: FTHOOD RFI

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.18DL

Sample wt/vol: 4.0 (g/mL) G

Lab File ID: R31165.D

Level: (low/med) MED

Date Received: 10/31/98

% Moisture: not dec. 20

Date Analyzed: 11/04/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

96-18-4-----1	2 3-TRICHLOROPROPANE	780	U
75-71-8-----	DICHLORODIFLUOROMETHANE	780	U
75-69-4-----	TRICHLOROFLUOROMETHANE	780	U
74-95-3-----	DIBROMOMETHANE	780	U
96-12-8-----1	2-DIBROMO-3-CHLOROPROPANE	780	U
108-86-1-----	BROMOBENZENE	780	U
104-51-8-----	n-BUTYLBENZENE	1400	D
98-06-6-----	tert-BUTYLBENZENE	780	U
135-98-8-----	sec-BUTYLBENZENE	1100	D
95-49-8-----	2-CHLOROTOLUENE	780	U
106-43-4-----	4-CHLOROTOLUENE	780	U
95-50-1-----	1 2-DICHLOROBENZENE	780	U
541-73-1-----	1 3-DICHLOROBENZENE	780	U
106-46-7-----	1 4-DICHLOROBENZENE	890	D
142-28-9-----	1 3-DICHLOROPROPANE	780	U
594-20-7-----	2 2-DICHLOROPROPANE	780	U
563-58-6-----	1 1-DICHLOROPROPENE	780	U
87-68-3-----	HEXACHLOROBUTADIENE	780	U
98-82-8-----	ISOPROPYLBENZENE	780	U
99-87-6-----	p-ISOPROPYLTOLUENE	780	U
91-20-3-----	NAPHTHALENE	1700	BD
103-65-1-----	n-PROPYLBENZENE	780	U
87-61-6-----	1 2 3-TRICHLOROBENZENE	780	U
120-82-1-----	1 2 4-TRICHLOROBENZENE	780	U
95-63-6-----	1 2 4-TRIMETHYLBENZENE	780	U
108-67-8-----	1 3 5-TRIMETHYLBENZENE	780	U
74-97-5-----	BROMOCHLOROMETHANE	780	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB126

Lab Name: SWL-TULSA

Contract: FORT HOOD R

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.18

Sample wt/vol: 31.7 (g/mL) G

Lab File ID: P17886.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 20 dec.

Date Extracted: 11/02/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/06/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 7.9

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

108-95-2-----Phenol	390	U
111-44-4-----bis(2-Chloroethyl)ether	390	U
95-57-8-----2-Chlorophenol	390	U
541-73-1-----1,3-Dichlorobenzene	390	U
106-46-7-----1,4-Dichlorobenzene	880	
100-51-6-----Benzyl alcohol	390	U
95-50-1-----1,2-Dichlorobenzene	390	U
95-48-7-----2-Methylphenol	390	U
108-60-1-----bis(2-Chloroisopropyl)ether	390	U
106-44-5-----4-Methylphenol	390	U
621-64-7-----N-Nitroso-di-n-propylamine	390	U
67-72-1-----Hexachloroethane	390	U
98-95-3-----Nitrobenzene	390	U
78-59-1-----Isophorone	390	U
88-75-5-----2-Nitrophenol	390	U
105-67-9-----2,4-Dimethylphenol	390	U
65-85-0-----Benzoic Acid	1900	U
111-91-1-----bis(2-Chloroethoxy)methane	390	U
120-83-2-----2,4-Dichlorophenol	390	U
120-82-1-----1,2,4-Trichlorobenzene	390	U
91-20-3-----Naphthalene	2400	
106-47-8-----4-Chloroaniline	390	U
87-68-3-----Hexachlorobutadiene	390	U
59-50-7-----4-Chloro-3-methylphenol	390	U
91-57-6-----2-Methylnaphthalene	590	
77-47-4-----Hexachlorocyclopentadiene	390	U
88-06-2-----2,4,6-Trichlorophenol	390	U
95-95-4-----2,4,5-Trichlorophenol	1900	U
91-58-7-----2-Chloronaphthalene	390	U
88-74-4-----2-Nitroaniline	1900	U
131-11-3-----Dimethylphthalate	390	U
208-96-8-----Acenaphthylene	390	U
606-20-2-----2,6-Dinitrotoluene	390	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB126RE

Lab Name: SWL-TULSA

Contract: FORT HOOD R

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.18RA

Sample wt/vol: 31.7 (g/mL) G

Lab File ID: P17914.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 20 dec.

Date Extracted: 11/02/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/10/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 7.9

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

108-95-2-----Phenol	390	U
111-44-4-----bis(2-Chloroethyl)ether	390	U
95-57-8-----2-Chlorophenol	390	U
541-73-1-----1,3-Dichlorobenzene	390	U
106-46-7-----1,4-Dichlorobenzene	680	
100-51-6-----Benzyl alcohol	390	U
95-50-1-----1,2-Dichlorobenzene	390	U
95-48-7-----2-Methylphenol	390	U
108-60-1-----bis(2-Chloroisopropyl)ether	390	U
106-44-5-----4-Methylphenol	390	U
621-64-7-----N-Nitroso-di-n-propylamine	390	U
67-72-1-----Hexachloroethane	390	U
98-95-3-----Nitrobenzene	390	U
78-59-1-----Isophorone	390	U
88-75-5-----2-Nitrophenol	390	U
105-67-9-----2,4-Dimethylphenol	390	U
65-85-0-----Benzoic Acid	1900	U
111-91-1-----bis(2-Chloroethoxy)methane	390	U
120-83-2-----2,4-Dichlorophenol	390	U
120-82-1-----1,2,4-Trichlorobenzene	390	U
91-20-3-----Naphthalene	1900	
106-47-8-----4-Chloroaniline	390	U
87-68-3-----Hexachlorobutadiene	390	U
59-50-7-----4-Chloro-3-methylphenol	390	U
91-57-6-----2-Methylnaphthalene	450	
77-47-4-----Hexachlorocyclopentadiene	390	U
88-06-2-----2,4,6-Trichlorophenol	390	U
95-95-4-----2,4,5-Trichlorophenol	1900	U
91-58-7-----2-Chloronaphthalene	390	U
88-74-4-----2-Nitroaniline	1900	U
131-11-3-----Dimethylphthalate	390	U
208-96-8-----Acenaphthylene	390	U
606-20-2-----2,6-Dinitrotoluene	390	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB126RE

Lab Name: SWL-TULSA

Contract: FORT HOOD R

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.18RA

Sample wt/vol: 31.7 (g/mL) G

Lab File ID: P17914.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 20 dec.

Date Extracted: 11/02/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/10/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 7.9

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

99-09-2-----3-Nitroaniline	1900	U
83-32-9-----Acenaphthene	390	U
121-14-2-----2,4-Dinitrotoluene	390	U
51-28-5-----2,4-Dinitrophenol	1900	U
100-02-7-----4-Nitrophenol	1900	U
132-64-9-----Dibenzofuran	390	U
84-66-2-----Diethylphthalate	390	U
7005-72-3-----4-Chlorophenyl-phenylether	390	U
86-73-7-----Fluorene	390	U
100-01-6-----4-Nitroaniline	1900	U
534-52-1-----4,6-Dinitro-2-methylphenol	1900	U
86-30-6-----N-Nitrosodiphenylamine (1)	1500	
101-55-3-----4-Bromophenylphenylether	390	U
118-74-1-----Hexachlorobenzene	390	U
87-86-5-----Pentachlorophenol	1900	U
85-01-8-----Phenanthrene	690	
120-12-7-----Anthracene	390	U
84-74-2-----Di-n-butylphthalate	640	
206-44-0-----Fluoranthene	390	U
129-00-0-----Pyrene	390	U
85-68-7-----Butylbenzylphthalate	390	U
91-94-1-----3,3'-Dichlorobenzidine	780	U
56-55-3-----Benzo(a)anthracene	390	U
218-01-9-----Chrysene	190	J
117-81-7-----bis(2-Ethylhexyl)phthalate	1900	
117-84-0-----Di-n-octylphthalate	390	U
205-99-2-----Benzo(b)fluoranthene	390	U
207-08-9-----Benzo(k)fluoranthene	390	U
50-32-8-----Benzo(a)pyrene	390	U
193-39-5-----Indeno(1,2,3-cd)pyrene	390	U
53-70-3-----Dibenz(a,h)anthracene	390	U
191-24-2-----Benzo(g,h,i)perylene	390	U
110-86-1-----Pyridine	390	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10SB126RE

Lab Name: SWL-TULSA

Contract: FORT HOOD R

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) SOIL

Lab Sample ID: 36197.18RA

Sample wt/vol: 31.7 (g/mL) G

Lab File ID: P17914.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 20 dec.

Date Extracted: 11/02/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/10/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 7.9

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

95-94-3-----1,2,4,5-Tetrachlorobenzene

390

U

% Solids: 80.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

P

Artifacts: _____

Comments :



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10GW101

Lab Name: SWL-TULSA

Contract: FTHOOD RFI

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) WATER

Lab Sample ID: 36197.19

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: K25192.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. _____

Date Analyzed: 11/06/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

74-87-3-----	CHLOROMETHANE	5	U
74-83-9-----	BROMOMETHANE	5	U
75-01-4-----	VINYL CHLORIDE	26	
75-00-3-----	CHLOROETHANE	5	U
75-09-2-----	METHYLENE CHLORIDE	5	U
67-64-1-----	ACETONE	6	
75-35-4-----	1 1-DICHLOROETHENE	5	U
75-34-3-----	1 1-DICHLOROETHANE	5	U
67-66-3-----	CHLOROFORM	5	U
107-06-2-----	1 2-DICHLOROETHANE	5	U
78-93-3-----	2-BUTANONE	5	U
71-55-6-----	1 1 1-TRICHLOROETHANE	5	U
56-23-5-----	CARBON TETRACHLORIDE	5	U
75-27-4-----	BROMODICHLOROMETHANE	5	U
78-87-5-----	1 2-DICHLOROPROPANE	5	U
79-01-6-----	TRICHLOROETHENE	5	U
124-48-1-----	DIBROMOCHLOROMETHANE	5	U
79-00-5-----	1 1 2-TRICHLOROETHANE	5	U
71-43-2-----	BENZENE	3	J
75-25-2-----	BROMOFORM	5	U
108-10-1-----	4-METHYL-2-PENTANONE	5	U
591-78-6-----	2-HEXANONE	5	U
127-18-4-----	TETRACHLOROETHENE	5	U
108-88-3-----	TOLUENE	2	J
79-34-5-----	1 1 2 2-TETRACHLOROETHANE	5	U
108-90-7-----	CHLOROBENZENE	84	
100-41-4-----	ETHYL BENZENE	5	U
100-42-5-----	STYRENE	5	U
156-60-5-----	trans-1 2-DICHLOROETHENE	5	U
156-59-2-----	cis-1 2-DICHLOROETHENE	5	U
13-302-07-----	m,p-XYLENES	5	U
95-47-6-----	o-XYLENE	2	J
106-93-4-----	1 2-DIBROMOETHANE	5	U
630-20-6-----	1 1 1 2-TETRACHLOROETHANE	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10GW101

Lab Name: SWL-TULSA

Contract: FTHOOD RFI

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) WATER

Lab Sample ID: 36197.19

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: K25192.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. _____

Date Analyzed: 11/06/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

96-18-4-----1 2 3-TRICHLOROPROPANE	5	U
75-71-8-----DICHLORODIFLUOROMETHANE	5	U
75-69-4-----TRICHLOROFLUOROMETHANE	5	U
74-95-3-----DIBROMOMETHANE	5	U
96-12-8-----1 2-DIBROMO-3-CHLOROPROPANE	5	U
108-86-1-----BROMOBENZENE	5	U
104-51-8-----n-BUTYLBENZENE	4	J
98-06-6-----tert-BUTYLBENZENE	5	U
135-98-8-----sec-BUTYLBENZENE	3	J
95-49-8-----2-CHLOROTOLUENE	5	U
106-43-4-----4-CHLOROTOLUENE	5	U
95-50-1-----1 2-DICHLOROBENZENE	2	J
541-73-1-----1 3-DICHLOROBENZENE	5	U
106-46-7-----1 4-DICHLOROBENZENE	25	
142-28-9-----1 3-DICHLOROPROPANE	5	U
594-20-7-----2 2-DICHLOROPROPANE	5	U
563-58-6-----1 1-DICHLOROPROPENE	5	U
87-68-3-----HEXACHLOROBUTADIENE	5	U
98-82-8-----ISOPROPYLBENZENE	4	J
99-87-6-----p-ISOPROPYLTOLUENE	5	U
91-20-3-----NAPHTHALENE	59	
103-65-1-----n-PROPYLBENZENE	7	
87-61-6-----1 2 3-TRICHLOROBENZENE	2	J
120-82-1-----1 2 4-TRICHLOROBENZENE	2	J
95-63-6-----1 2 4-TRIMETHYLBENZENE	5	U
108-67-8-----1 3 5-TRIMETHYLBENZENE	5	U
74-97-5-----BROMOCHLOROMETHANE	5	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10GW101

Lab Name: SWL-TULSA

Contract: FORT HOOD R

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) WATER

Lab Sample ID: 36197.19

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: H3632.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 0 dec.

Date Extracted: 11/01/98

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 11/04/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 6.9

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

108-95-2-----Phenol	10	U
111-44-4-----bis(2-Chloroethyl)ether	10	U
95-57-8-----2-Chlorophenol	10	U
541-73-1-----1,3-Dichlorobenzene	10	U
106-46-7-----1,4-Dichlorobenzene	17	
100-51-6-----Benzyl alcohol	10	U
95-50-1-----1,2-Dichlorobenzene	10	U
95-48-7-----2-Methylphenol	10	U
108-60-1-----bis(2-Chloroisopropyl)ether	10	U
106-44-5-----4-Methylphenol	10	U
621-64-7-----N-Nitroso-di-n-propylamine	10	U
67-72-1-----Hexachloroethane	10	U
98-95-3-----Nitrobenzene	10	U
78-59-1-----Isophorone	10	U
88-75-5-----2-Nitrophenol	10	U
105-67-9-----2,4-Dimethylphenol	10	U
65-85-0-----Benzoic Acid	6	J
111-91-1-----bis(2-Chloroethoxy)methane	10	U
120-83-2-----2,4-Dichlorophenol	10	U
120-82-1-----1,2,4-Trichlorobenzene	10	U
91-20-3-----Naphthalene	27	
106-47-8-----4-Chloroaniline	10	U
87-68-3-----Hexachlorobutadiene	10	U
59-50-7-----4-Chloro-3-methylphenol	10	U
91-57-6-----2-Methylnaphthalene	2	J
77-47-4-----Hexachlorocyclopentadiene	10	U
88-06-2-----2,4,6-Trichlorophenol	10	U
95-95-4-----2,4,5-Trichlorophenol	50	U
91-58-7-----2-Chloronaphthalene	10	U
88-74-4-----2-Nitroaniline	50	U
131-11-3-----Dimethylphthalate	10	U
208-96-8-----Acenaphthylene	10	U
606-20-2-----2,6-Dinitrotoluene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10GW101

Lab Name: SWL-TULSA

Contract: FORT HOOD R

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) WATER

Lab Sample ID: 36197.19

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: H3632.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 0 dec.

Date Extracted: 11/01/98

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 11/04/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 6.9

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

99-09-2-----3-Nitroaniline	50	U
83-32-9-----Acenaphthene	10	U
121-14-2-----2,4-Dinitrotoluene	10	U
51-28-5-----2,4-Dinitrophenol	50	U
100-02-7-----4-Nitrophenol	50	U
132-64-9-----Dibenzofuran	10	U
84-66-2-----Diethylphthalate	2	J
7005-72-3-----4-Chlorophenyl-phenylether	10	U
86-73-7-----Fluorene	10	U
100-01-6-----4-Nitroaniline	50	U
534-52-1-----4,6-Dinitro-2-methylphenol	50	U
86-30-6-----N-Nitrosodiphenylamine (1)	6	J
101-55-3-----4-Bromophenylphenylether	10	U
118-74-1-----Hexachlorobenzene	10	U
87-86-5-----Pentachlorophenol	50	U
85-01-8-----Phenanthrene	10	U
120-12-7-----Anthracene	10	U
84-74-2-----Di-n-butylphthalate	10	U
206-44-0-----Fluoranthene	10	U
129-00-0-----Pyrene	10	U
85-68-7-----Butylbenzylphthalate	10	U
91-94-1-----3,3'-Dichlorobenzidine	20	U
56-55-3-----Benzo(a)anthracene	10	U
218-01-9-----Chrysene	10	U
117-81-7-----bis(2-Ethylhexyl)phthalate	4	JB
117-84-0-----Di-n-octylphthalate	10	U
205-99-2-----Benzo(b)fluoranthene	10	U
207-08-9-----Benzo(k)fluoranthene	10	U
50-32-8-----Benzo(a)pyrene	10	U
193-39-5-----Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----Dibenz(a,h)anthracene	10	U
191-24-2-----Benzo(g,h,i)perylene	10	U
110-86-1-----Pyridine	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10GW101

Lab Name: SWL-TULSA

Contract: FORT HOOD R

Lab Code: SWOK

Case No.: SAIC

SAS No.:

SDG No.: 36197

Matrix: (soil/water) WATER

Lab Sample ID: 36197.19

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: H3632.D

Level: (low/med) LOW

Date Received: 10/31/98

% Moisture: not dec. 0 dec.

Date Extracted: 11/01/98

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 11/04/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 6.9

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

95-94-3-----1,2,4,5-Tetrachlorobenzene__

10

U

10GW101

Lab Name: SOUTHWEST LABS OF OK

Contract : SAIC

Lab Code: SWOK

Case No. : 36197

SAS No. :

SDG No.: 36197B

Matrix (soil/water): WATER

Lab Sample ID: 36197.19

Level (low/med) : LOW

Date Received: 10/31/98

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

[illegible]

Texture: _____
Artifacts: _____

Comments :

APPENDIX D

Fort Hood RFI Background Soils Data

Ft. Hood RCRA Facility Investigation

FH-BKG Fort Hood Background

Analytical Results

Station: SB101 Background Soil Boring SB101

Sample ID: FH000-SB10112-10-96/2.0-2.5 (BKSB101)

Matrix: Soil

Sample Depth: 2.0-2.5 FT

Field Sample Type: Grab

Collected: 12/10/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	3	0.41	MG/KG		
Barium	21.3	0.10	MG/KG	*	J
Cadmium	0.12	0.05	MG/KG	B	
Chromium	5.1	0.10	MG/KG	E*	J
Lead	6	0.17	MG/KG	EN*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.37	0.37	MG/KG	U	U
Silver	0.24	0.24	MG/KG	U	U

Sample ID: FH000-SB10212-10-96/4.0-4.7 (BKSB102)

Sample Depth: 4.0-4.7 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/10/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	2	0.39	MG/KG		
Barium	8	0.10	MG/KG	*	J
Cadmium	0.05	0.05	MG/KG	B	
Chromium	10.3	0.10	MG/KG	E*	J
Lead	5	0.17	MG/KG	EN*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.36	0.36	MG/KG	U	U
Silver	0.23	0.23	MG/KG	U	U

Sample ID: FH000-SB10312-10-96/10.5-11.0 (BKSB103)

Sample Depth: 10.5-11.0 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/10/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	9.1	0.42	MG/KG		
Barium	14.7	0.10	MG/KG	*	J
Cadmium	0.05	0.05	MG/KG	U	U
Chromium	10.1	0.10	MG/KG	E*	J
Lead	9.5	0.18	MG/KG	EN*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.38	0.38	MG/KG	U	U
Silver	0.24	0.24	MG/KG	U	U

Ft. Hood RCRA Facility Investigation

FH-BKG Fort Hood Background

Analytical Results

Station: SB102 Background Soil Boring SB102

Sample ID: FH000-SB12112-12-96/0.0-1.5 (BKSB121)

Matrix: Soil

Sample Depth: 0.0-1.5 FT

Field Sample Type: Grab

Collected: 12/12/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	4.1	0.38	MG/KG		
Barium	24	0.09	MG/KG		
Cadmium	0.18	0.05	MG/KG	B	
Chromium	6.3	0.09	MG/KG		
Lead	10.2	0.16	MG/KG	EN	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.34	0.34	MG/KG	U	U
Silver	0.22	0.22	MG/KG	U	U

Sample ID: FH000-SB12212-12-96/14.0-14.5 (BKSB122)

Sample Depth: 14.0-14.5 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/12/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	3.2	0.36	MG/KG		
Barium	6.1	0.09	MG/KG		
Cadmium	0.06	0.04	MG/KG	B	
Chromium	4.9	0.09	MG/KG		
Lead	4.1	0.15	MG/KG	EN	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.33	0.33	MG/KG	U	U
Silver	0.21	0.21	MG/KG	U	U

Sample ID: FH000-SB12312-12-96/19.0-19.5 (BKSB123)

Sample Depth: 19.0-19.5 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/12/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	3.8	0.36	MG/KG		
Barium	5.5	0.09	MG/KG		
Cadmium	0.08	0.04	MG/KG	B	
Chromium	4.3	0.09	MG/KG		
Lead	3.8	0.15	MG/KG	EN	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.33	0.33	MG/KG	U	U
Silver	0.21	0.21	MG/KG	U	U

Sample ID: FH000-SB20212-12-96/0.0-1.5 (BKSB202)

Sample Depth: 0.0-1.5 FT

Matrix: Soil

Field Sample Type: Field Duplicate

Collected: 12/12/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	4.2	0.37	MG/KG		
Barium	18.2	0.09	MG/KG		
Cadmium	0.12	0.04	MG/KG	B	
Chromium	5.9	0.09	MG/KG		
Lead	4.5	0.16	MG/KG	EN	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.34	0.34	MG/KG	U	U
Silver	0.21	0.21	MG/KG	U	U

Ft. Hood RCRA Facility Investigation

FH-BKG Fort Hood Background

Analytical Results

Station: SB103 Background Soil Boring SB103

Sample ID: FH000-SB10412-10-96/0.0-1.5 (BKSB104)

Sample Depth: 0.0-1.5 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/10/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	6.2	0.35	MG/KG		
Barium	28.2	0.08	MG/KG	*	J
Cadmium	0.15	0.04	MG/KG	B	
Chromium	3.1	0.08	MG/KG	E*	J
Lead	5.3	0.15	MG/KG	EN*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.32	0.32	MG/KG	U	U
Silver	0.2	0.20	MG/KG	U	U

Sample ID: FH000-SB10512-10-96/4.0-6.0 (BKSB105)

Sample Depth: 4.0-6.0 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/10/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	4.3	0.36	MG/KG		
Barium	23.4	0.09	MG/KG	*	J
Cadmium	0.11	0.04	MG/KG	B	
Chromium	4	0.09	MG/KG	E*	J
Lead	3.9	0.15	MG/KG	EN*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.33	0.33	MG/KG	U	U
Silver	0.21	0.21	MG/KG	U	U

Sample ID: FH000-SB10612-10-96/9.0-9.4 (BKSB106)

Sample Depth: 9.0-9.4 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/10/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	4.4	0.37	MG/KG		
Barium	43.7	0.09	MG/KG	*	J
Cadmium	0.16	0.04	MG/KG	B	
Chromium	7.6	0.09	MG/KG	E*	J
Lead	5	0.16	MG/KG	EN*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.33	0.33	MG/KG	U	U
Silver	0.21	0.21	MG/KG	U	U

Sample ID: FH000-SB10712-10-96/14.0-15.0 (BKSB107)

Sample Depth: 14.0-15.0 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/10/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	53	0.39	MG/KG		
Barium	1350	0.09	MG/KG	*	J
Cadmium	0.35	0.05	MG/KG	B	
Chromium	5.1	0.09	MG/KG	E*	J
Lead	6.1	0.17	MG/KG	EN*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.36	0.36	MG/KG	U	U
Silver	0.23	0.23	MG/KG	U	U

Ft. Hood RCRA Facility Investigation

FH-BKG Fort Hood Background

Analytical Results

Station: SB104 Background Soil Boring SB104

Sample ID: FH000-SB10812-11-96/0.0-1.0 (BKSB108)

Sample Depth: 0.0-1.0 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/11/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	6	0.40	MG/KG		
Barium	72.4	0.10	MG/KG	*	J
Cadmium	0.2	0.05	MG/KG	B	
Chromium	12.9	0.10	MG/KG	E*	J
Lead	9.8	0.17	MG/KG	EN*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.37	0.37	MG/KG	U	U
Silver	0.23	0.23	MG/KG	U	U

Sample ID: FH000-SB10912-11-96/4.0-5.0 (BKSB109)

Sample Depth: 4.0-5.0 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/11/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	3.5	0.38	MG/KG		
Barium	155	0.09	MG/KG	*	J
Cadmium	0.07	0.05	MG/KG	B	
Chromium	6.5	0.09	MG/KG	E*	J
Lead	3.2	0.16	MG/KG	EN*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.34	0.34	MG/KG	U	U
Silver	0.22	0.22	MG/KG	U	U

Sample ID: FH000-SB11012-11-96/11.0-11.5 (BKSB110)

Sample Depth: 11.0-11.5 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/11/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	4.8	0.40	MG/KG		
Barium	24.1	0.10	MG/KG	*	J
Cadmium	0.06	0.05	MG/KG	B	
Chromium	16.6	0.10	MG/KG	E*	J
Lead	7.8	0.17	MG/KG	EN*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.36	0.36	MG/KG	U	U
Silver	0.23	0.23	MG/KG	U	U

Sample ID: FH000-SB11112-11-96/18.0-18.5 (BKSB111)

Sample Depth: 18.0-18.5 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/11/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	5.2	0.38	MG/KG		
Barium	7.2	0.09	MG/KG	*	J
Cadmium	0.05	0.05	MG/KG	B	
Chromium	6.2	0.09	MG/KG	E*	J
Lead	5.3	0.16	MG/KG	EN*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.35	0.35	MG/KG	U	U
Silver	0.22	0.22	MG/KG	U	U

Ft. Hood RCRA Facility Investigation

FH-BKG Fort Hood Background

Analytical Results

Station: SB105 Background Soil Boring SB105

Sample ID: FH000-SB11212-11-96/1.0-1.5 (BKSB112)

Sample Depth: 1.0-1.5 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/11/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	1.6	0.35	MG/KG		
Barium	6.6	0.09	MG/KG	*	J
Cadmium	0.04	0.04	MG/KG	U	U
Chromium	4	0.09	MG/KG	E*	J
Lead	1.5	0.15	MG/KG	EN*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.32	0.32	MG/KG	U	U
Silver	0.2	0.20	MG/KG	U	U

Sample ID: FH000-SB11312-11-96/4.0-5.0 (BKSB113)

Sample Depth: 4.0-5.0 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/11/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	5.7	0.40	MG/KG		
Barium	20.5	0.10	MG/KG	*	J
Cadmium	0.07	0.05	MG/KG	B	
Chromium	8.9	0.10	MG/KG	E*	J
Lead	6	0.17	MG/KG	EN*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.36	0.36	MG/KG	U	U
Silver	0.23	0.23	MG/KG	U	U

Sample ID: FH000-SB11412-11-96/11.0-12.0 (BKSB114)

Sample Depth: 11.0-12.0 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/11/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	5.2	0.42	MG/KG		
Barium	25.2	0.10	MG/KG	*	J
Cadmium	0.05	0.05	MG/KG	U	U
Chromium	20.3	0.10	MG/KG	E*	J
Lead	7.7	0.18	MG/KG	EN*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.38	0.38	MG/KG	U	U
Silver	0.24	0.24	MG/KG	U	U

Sample ID: FH000-SB11512-11-96/15.0-15.5 (BKSB115)

Sample Depth: 15.0-15.5 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/11/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	5.3	0.36	MG/KG		
Barium	10.6	0.09	MG/KG	*	J
Cadmium	0.06	0.04	MG/KG	B	
Chromium	7.3	0.09	MG/KG	E*	J
Lead	5.1	0.15	MG/KG	EN*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.32	0.32	MG/KG	U	U
Silver	0.2	0.20	MG/KG	U	U

Ft. Hood RCRA Facility Investigation

FH-BKG Fort Hood Background

Analytical Results

Sample ID: FH000-SB11612-11-96/22.0-22.5 (BKSB116)

Sample Depth: 22.0-22.5 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/11/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	11.6	0.37	MG/KG		
Barium	4.9	0.09	MG/KG	*	J
Cadmium	0.2	0.04	MG/KG	B	
Chromium	2.7	0.09	MG/KG	E*	J
Lead	5.6	0.16	MG/KG	EN*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.33	0.33	MG/KG	U	U
Silver	0.21	0.21	MG/KG	U	U

Ft. Hood RCRA Facility Investigation

FH-BKG Fort Hood Background

Analytical Results

Station: SB106 Background Soil Boring SB106

Sample ID: FH000-SB11712-12-96/0.0-1.0 (BKSB117)

Matrix: Soil

Sample Depth: 0.0-1.0 FT

Field Sample Type: Grab

Collected: 12/12/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	4.4	0.37	MG/KG		
Barium	27.9	0.09	MG/KG	*	J
Cadmium	0.18	0.04	MG/KG	B	
Chromium	5.7	0.09	MG/KG	E*	J
Lead	8.3	0.16	MG/KG	EN*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.33	0.33	MG/KG	U	U
Silver	0.21	0.21	MG/KG	U	U

Sample ID: FH000-SB11812-12-96/9.0-9.5 (BKSB118)

Sample Depth: 9.0-9.5 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/12/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	2.6	0.37	MG/KG		
Barium	4.4	0.09	MG/KG	*	J
Cadmium	0.19	0.04	MG/KG	B	
Chromium	2.2	0.09	MG/KG	E*	J
Lead	3.7	0.16	MG/KG	EN*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.34	0.34	MG/KG	U	U
Silver	0.21	0.21	MG/KG	U	U

Sample ID: FH000-SB11912-12-96/14.0-14.5 (BKSB119)

Sample Depth: 14.0-14.5 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/12/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	0.66	0.37	MG/KG	B	
Barium	3	0.09	MG/KG		
Cadmium	0.06	0.04	MG/KG	B	
Chromium	2.1	0.09	MG/KG		
Lead	1.3	0.16	MG/KG	EN	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.33	0.33	MG/KG	U	U
Silver	0.21	0.21	MG/KG	U	U

Sample ID: FH000-SB12012-12-96/19.0-20.0 (BKSB120)

Sample Depth: 19.0-20.0 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/12/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	0.44	0.35	MG/KG	B	
Barium	2	0.08	MG/KG		
Cadmium	0.04	0.04	MG/KG	U	U
Chromium	0.93	0.08	MG/KG	B	
Lead	0.72	0.15	MG/KG	EN	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.32	0.32	MG/KG	U	U
Silver	0.2	0.20	MG/KG	U	U

Ft. Hood RCRA Facility Investigation

FH-BKG Fort Hood Background

Analytical Results

Sample ID: FH000-SB20112-12-96/0.0-1.0

(BKSB201)

Sample Depth: 0.0-1.0 FT

Matrix: Soil

Field Sample Type: Field Duplicate

Collected: 12/12/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	4.4	0.36	MG/KG		
Barium	17.9	0.09	MG/KG		
Cadmium	0.14	0.04	MG/KG	B	
Chromium	2.6	0.09	MG/KG		
Lead	5.9	0.15	MG/KG	EN	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.33	0.33	MG/KG	U	U
Silver	0.21	0.21	MG/KG	U	U

Ft. Hood RCRA Facility Investigation

FH-BKG Fort Hood Background

Analytical Results

Station: SB107 Background Soil Boring SB107

Sample ID: FH000-SB12412-12-96/0.0-1.0 (BKSB124)

Matrix: Soil

Sample Depth: 0.0-1.0 FT

Field Sample Type: Grab

Collected: 12/12/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	6	0.37	MG/KG		
Barium	19.3	0.09	MG/KG		
Cadmium	0.11	0.04	MG/KG	B	
Chromium	7.2	0.09	MG/KG		
Lead	4.5	0.16	MG/KG	EN	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.34	0.34	MG/KG	U	U
Silver	0.21	0.21	MG/KG	U	U

Sample ID: FH000-SB12512-12-96/4.0-4.5 (BKSB125)

Sample Depth: 4.0-4.5 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/12/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	3.2	0.35	MG/KG		
Barium	18.1	0.09	MG/KG		
Cadmium	0.11	0.04	MG/KG	B	
Chromium	5.1	0.09	MG/KG		
Lead	1.7	0.15	MG/KG	EN	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.36	0.32	MG/KG	B	
Silver	0.2	0.20	MG/KG	U	U

Sample ID: FH000-SB12612-12-96/5.5-6.0 (BKSB126)

Sample Depth: 5.5-6.0 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/12/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	2.5	0.36	MG/KG		
Barium	5.4	0.09	MG/KG		
Cadmium	0.06	0.04	MG/KG	B	
Chromium	5.5	0.09	MG/KG		
Lead	1.5	0.15	MG/KG	EN	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.44	0.33	MG/KG	B	
Silver	0.21	0.21	MG/KG	U	U

Sample ID: FH000-SB20312-12-96/0.0-1.0 (BKSB203)

Sample Depth: 0.0-1.0 FT

Matrix: Soil

Field Sample Type: Field Duplicate

Collected: 12/12/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	5.9	0.37	MG/KG		
Barium	39	0.09	MG/KG		
Cadmium	0.17	0.05	MG/KG	B	
Chromium	9.3	0.09	MG/KG		
Lead	6.6	0.16	MG/KG	EN	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.34	0.34	MG/KG	U	U
Silver	0.21	0.21	MG/KG	U	U

Ft. Hood RCRA Facility Investigation

FH-BKG Fort Hood Background

Analytical Results

Station: SB108 Background Soil Boring SB108

Sample ID: FH000-SB135/01-14-97/0.0-1.0 (BKSB135)

Matrix: Soil

Sample Depth: 0.0-1.0 FT

Field Sample Type: Grab

Collected: 01/14/97

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	2.7	0.36	MG/KG		
Barium	15.4	0.09	MG/KG	*	J
Cadmium	0.17	0.04	MG/KG	B*	J
Chromium	6.1	0.09	MG/KG		
Lead	2.5	0.15	MG/KG	*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	1.5	1.5	MG/KG	UWN	R
Silver	0.21	0.21	MG/KG	U	U

Sample ID: FH000-SB136/01-14-97/5.0-5.5 (BKSB136)

Sample Depth: 5.0-5.5 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 01/14/97

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	4.3	0.38	MG/KG		
Barium	14.8	0.09	MG/KG	*	J
Cadmium	0.2	0.05	MG/KG	B*	J
Chromium	8.3	0.09	MG/KG		
Lead	3	0.16	MG/KG	*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.32	0.32	MG/KG	UWN	R
Silver	0.22	0.22	MG/KG	U	U

Sample ID: FH000-SB137/01-14-97/9.0-9.5 (BKSB137)

Sample Depth: 9.0-9.5 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 01/14/97

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	8.2	0.36	MG/KG		
Barium	7.8	0.09	MG/KG	*	J
Cadmium	0.18	0.04	MG/KG	B*	J
Chromium	8.1	0.09	MG/KG		
Lead	2.3	0.15	MG/KG	*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.31	0.31	MG/KG	UWN	R
Silver	0.21	0.21	MG/KG	U	U

Sample ID: FH000-SB138/01-14-97/14.0-14.5 (BKSB138)

Sample Depth: 14.0-14.5 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 01/14/97

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	9.2	0.38	MG/KG		
Barium	12.2	0.09	MG/KG	*	J
Cadmium	0.21	0.05	MG/KG	B*	J
Chromium	11.1	0.09	MG/KG		
Lead	4.1	0.16	MG/KG	*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.32	0.32	MG/KG	UWN	R
Silver	0.22	0.22	MG/KG	U	U

Ft. Hood RCRA Facility Investigation

FH-BKG Fort Hood Background

Analytical Results

Sample ID: FH000-SB139/01-14-97/16.5-17.0 (BKSB139)

Sample Depth: 16.5-17.0 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 01/14/97

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	7.6	0.37	MG/KG		
Barium	7.3	0.09	MG/KG	*	J
Cadmium	0.2	0.04	MG/KG	B*	J
Chromium	8.4	0.09	MG/KG		
Lead	3.6	0.16	MG/KG	*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.31	0.31	MG/KG	UWN	R
Silver	0.21	0.21	MG/KG	U	U

Ft. Hood RCRA Facility Investigation

FH-BKG Fort Hood Background

Analytical Results

Station: SB109 Background Soil Boring SB109

Sample ID: FH000-SB140/01-15-97/0.0-1.0 (BKSB140)

Matrix: Soil

Sample Depth: 0.0-1.0 FT

Field Sample Type: Grab

Collected: 01/15/97

Metals	Result	Detection Limit	Units	Qualifiers Lab	Data
Arsenic	4.8	0.41	MG/KG		
Barium	108	0.10	MG/KG	*	J
Cadmium	0.79	0.05	MG/KG	*	J
Chromium	16.1	0.10	MG/KG		
Lead	33.2	0.17	MG/KG	*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.35	0.35	MG/KG	UWN	R
Silver	0.24	0.24	MG/KG	U	U

Sample ID: FH000-SB141/01-15-97/4.0-5.0 (BKSB141)

Matrix: Soil

Sample Depth: 4.0-5.0 FT

Field Sample Type: Grab

Collected: 01/15/97

Metals	Result	Detection Limit	Units	Qualifiers Lab	Data
Arsenic	5.6	0.43	MG/KG		
Barium	127	0.10	MG/KG	*	J
Cadmium	0.45	0.05	MG/KG	B*	J
Chromium	23.6	0.10	MG/KG		
Lead	12.1	0.18	MG/KG	*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	1.8	1.8	MG/KG	UN	R
Silver	0.25	0.25	MG/KG	U	U

Sample ID: FH000-SB142/01-15-97/9.0-10.0 (BKSB142)

Matrix: Soil

Sample Depth: 9.0-10.0 FT

Field Sample Type: Grab

Collected: 01/15/97

Metals	Result	Detection Limit	Units	Qualifiers Lab	Data
Arsenic	3.8	0.44	MG/KG		
Barium	63	0.11	MG/KG	*	J
Cadmium	0.29	0.05	MG/KG	B*	J
Chromium	8.4	0.11	MG/KG		
Lead	5	0.19	MG/KG	*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	1.9	1.9	MG/KG	UWN	R
Silver	0.25	0.25	MG/KG	U	U

Sample ID: FH000-SB143/01-15-97/14.5-15.0 (BKSB143)

Matrix: Soil

Sample Depth: 14.5-15.0 FT

Field Sample Type: Grab

Collected: 01/15/97

Metals	Result	Detection Limit	Units	Qualifiers Lab	Data
Arsenic	3.8	0.41	MG/KG		
Barium	39.3	0.10	MG/KG	*	J
Cadmium	0.27	0.05	MG/KG	B*	J
Chromium	12.2	0.10	MG/KG		
Lead	6.6	0.17	MG/KG	*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.35	0.35	MG/KG	UWN	R
Silver	0.24	0.24	MG/KG	U	U

Ft. Hood RCRA Facility Investigation

FH-BKG Fort Hood Background

Analytical Results

Sample ID: FH000-SB144/01-15-97/19.0-19.3 (BKSB144)

Sample Depth: 19.0-19.3 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 01/15/97

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	3.7	0.37	MG/KG		
Barium	36.1	0.09	MG/KG	*	J
Cadmium	0.2	0.04	MG/KG	B*	J
Chromium	6.5	0.09	MG/KG		
Lead	4	0.16	MG/KG	*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.31	0.31	MG/KG	UWN	R
Silver	0.21	0.21	MG/KG	U	U

Ft. Hood RCRA Facility Investigation

FH-BKG Fort Hood Background

Analytical Results

Station: SB110 Background Soil Boring SB110

Sample ID: FH000-SB12712-13-96/0.0-1.0 (BKSB127)

Sample Depth: 0.0-1.0 FT

Field Sample Type: Grab

Collected: 12/13/96

Matrix: Soil

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	1.9	0.36	MG/KG		
Barium	18.8	0.09	MG/KG		
Cadmium	0.04	0.04	MG/KG	U	U
Chromium	3.7	0.09	MG/KG		
Lead	3.8	0.15	MG/KG	EN	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.33	0.33	MG/KG	U	U
Silver	0.21	0.21	MG/KG	U	U

Sample ID: FH000-SB12812-13-96/4.0-6.0 (BKSB128)

Sample Depth: 4.0-6.0 FT

Field Sample Type: Grab

Collected: 12/13/96

Matrix: Soil

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	3.6	0.38	MG/KG		
Barium	36.3	0.09	MG/KG		
Cadmium	0.05	0.05	MG/KG	U	U
Chromium	8.5	0.09	MG/KG		
Lead	7.5	0.16	MG/KG	EN	J
Mercury	0.04	0.04	MG/KG		
Selenium	0.35	0.35	MG/KG	U	U
Silver	0.22	0.22	MG/KG	U	U

Sample ID: FH000-SB12912-13-96/10.0-11.0 (BKSB129)

Sample Depth: 10.0-11.0 FT

Field Sample Type: Grab

Collected: 12/13/96

Matrix: Soil

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	2.6	0.36	MG/KG		
Barium	26.3	0.09	MG/KG		
Cadmium	0.04	0.04	MG/KG	U	U
Chromium	4.6	0.09	MG/KG		
Lead	4.1	0.15	MG/KG	EN	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.33	0.33	MG/KG	U	U
Silver	0.21	0.21	MG/KG	U	U

Sample ID: FH000-SB13012-13-96/15.0-16.0 (BKSB130)

Sample Depth: 15.0-16.0 FT

Field Sample Type: Grab

Collected: 12/13/96

Matrix: Soil

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	1	0.35	MG/KG	B	
Barium	8.1	0.08	MG/KG		
Cadmium	0.07	0.04	MG/KG	B	
Chromium	1.8	0.08	MG/KG		
Lead	3.1	0.15	MG/KG	EN	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.32	0.32	MG/KG	U	U
Silver	0.2	0.20	MG/KG	U	U

Ft. Hood RCRA Facility Investigation

FH-BKG Fort Hood Background

Analytical Results

Sample ID: FH000-SB13112-13-96/20.0-21.0 (BKSB131)

Sample Depth: 20.0-21.0 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/13/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	5.3	0.38	MG/KG		
Barium	65.9	0.09	MG/KG		
Cadmium	0.15	0.05	MG/KG	B	
Chromium	7.7	0.09	MG/KG		
Lead	10.1	0.16	MG/KG	EN	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.34	0.34	MG/KG	U	U
Silver	0.22	0.22	MG/KG	U	U

Sample ID: FH000-SB13212-13-96/25.0-26.0 (BKSB132)

Sample Depth: 25.0-26.0 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/13/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	4.2	0.37	MG/KG		
Barium	41.7	0.09	MG/KG		
Cadmium	0.04	0.04	MG/KG	U	U
Chromium	5.9	0.09	MG/KG		
Lead	7.8	0.16	MG/KG	EN	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.34	0.34	MG/KG	U	U
Silver	0.21	0.21	MG/KG	U	U

Sample ID: FH000-SB13312-13-96/30.0-31.0 (BKSB133)

Sample Depth: 30.0-31.0 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/13/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	3.2	0.39	MG/KG		
Barium	68.6	0.09	MG/KG		
Cadmium	0.11	0.05	MG/KG	B	
Chromium	4.9	0.09	MG/KG		
Lead	6.3	0.17	MG/KG	EN	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.35	0.35	MG/KG	U	U
Silver	0.22	0.22	MG/KG	U	U

Sample ID: FH000-SB13412-13-96/34.0-34.5 (BKSB134)

Sample Depth: 34.0-34.5 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/13/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	2.9	0.36	MG/KG		
Barium	20.1	0.09	MG/KG		
Cadmium	0.08	0.04	MG/KG	B	
Chromium	1.2	0.09	MG/KG		
Lead	2.3	0.15	MG/KG	EN	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.33	0.33	MG/KG	U	U
Silver	0.21	0.21	MG/KG	U	U

Ft. Hood RCRA Facility Investigation

FH-BKG Fort Hood Background

Analytical Results

Sample ID: FH000-SB20412-13-96/4.0-6.0

(BKSB204)

Sample Depth: 4.0-6.0 FT

Matrix: Soil

Field Sample Type: Field Duplicate

Collected: 12/13/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	3.2	0.38	MG/KG		
Barium	31.9	0.09	MG/KG		
Cadmium	0.05	0.05	MG/KG	U	U
Chromium	6.5	0.09	MG/KG		
Lead	7.1	0.16	MG/KG	EN	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.35	0.35	MG/KG	U	U
Silver	0.22	0.22	MG/KG	U	U

APPENDIX E

Fort Hood RFI Background Soil Boring Logs



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Boring FHBKG-SB101

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FHBKG : Background
Start Date : 12/10/96
End Date : 12/10/96
Northing Coord. : 3446458.08 m
Easting Coord. : 61375.50 m UTM 14 North
Total Depth of Boring : 18.5 feet

Drilling Company : Terra-Mar
Driller : Bill Christopher
Designation of Drill : Mobile Drill B-59
Type of Drill Rig : Hollow Stem Auger
Geologist : Jeff DeVaughn
Depth to Bedrock : 15.0 feet
Depth Drilled Into Rock: 3.5 feet
Borehole Diameter : 8 inches
Sampling Equipment : 4.25" Augers
: CME Sampler 5' long

Depth in feet	Surf. Elev. 887.80ft	USCS	GRAPHIC	Water Levels	DESCRIPTION	REMARKS
0					Topsoil. 0.0-0.5' bgs.; weathered tan limestone.	No sample recovery.
1	887	CL			CLAY; weathered limestone fragments; damp; soft; moderately plastic; 10YR5/4 yellowish brown.	
2	886				Same as above; dry.	Sample BKSB101 collected 2.0-2.5' bgs.
3	885				Same as above; dry; more weathered limestone.	Description from soil cuttings.
4	884					
5	883	CH			CLAY, fat; fewer fragments; damp; firm; highly plastic; mottled 10YR6/6 brownish yellow and 2.5Y7/1 light gray.	Sample BKSB102 collected 4.0-4.7' bgs.
6	882				Same CLAY as above; more silty; interbedded with weathered limestone; dry.	Description from soil cuttings.
7	881					
8	880					
9	879	CL				
10	878				Same as above; dry.	
11	877				Silty CLAY; dry; firm; non-plastic; 10YR6/6 brownish yellow.	Sample BKSB103 collected 10.5-11.0' bgs.
12	876				Same as above; interbedded with tan weathered limestone; dry.	
13	875	LS				
14	874					
15	873				LIMESTONE, weathered; dry; blue-gray.	Description from soil cuttings.
16	872					
17	871					
18	870					Soil colors from Munsell Soil Color Chart, 1992 Revised Edition.
19	869				Bottom of Boring @ 18.5' bgs.	
20	868					



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Boring FHBKG-SB102

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FHBKG : Background
Start Date : 12/12/96
End Date : 12/12/96
Northing Coord. : 3446503.40 m
Easting Coord. : 613980.64 m UTM 14 North
Total Depth of Boring : 19.5 feet

Drilling Company : Terra-Mar
Driller : Bill Christopher
Designation of Drill : Mobile Drill B-59
Type of Drill Rig : Hollow Stem Auger
Geologist : Jeff DeVaughn
Depth to Bedrock : 16.0 feet
Depth Drilled Into Rock: 3.5 feet
Borehole Diameter : 8 inches
Sampling Equipment : 4.25" Augers
 : CME Sampler 5' long

Depth in feet	Surf. Elev. 912.28ft	USCS	GRAPHIC	Water Levels	DESCRIPTION	REMARKS
0	912				Topsoil. 0.0-0.4' bgs.	Sample BKSB121, duplicate BKSB202, and split sample BKSB302 collected 0.0-0.5' bgs. Description from soil cuttings. Sample BKSB122 collected 14.0-14.5' bgs. Sample BKSB123 collected 19.0-19.5' bgs. Soil colors from Munsell Soil Color Chart, 1992 Revised Edition.
1	911	CL			Silty CLAY; weathered limestone fragments; dry; firm; non-plastic; mottled 10YR5/3 brown and 10YR8/2 very pale brown.	
2	910				Same as above; dry.	
3	909					
4	908	CL			LIMESTONE, weathered, tan; and Silty Clay interbeds; dry.	
5	907					
6	906				Zones of limestone and highly indurated silty clay (weathered limestone?); shell fragments; roots; dry; very hard; 2.5Y8/2 pale yellow.	
7	905	CL				
8	904					
9	903				Same as above; dry.	
10	902					
11	901				Same as above; dry.	
12	900					
13	899					
14	898	LS				
15	897				Same as above; dry.	
16	896				LIMESTONE, weathered; dry; blue-gray.	
17	895					
18	894				Same as above; dry.	
19	893				Same as above; dry.	
20					Bottom of Boring @ 19.5' bgs.	



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Boring FHBKG-SB103

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FHBKG : Background
Start Date : 12/10/96
End Date : 12/10/96
Northing Coord. : 3447405.80 m
Easting Coord. : 606690.49 m UTM 14 North
Total Depth of Boring : 17.0 feet

Drilling Company : Terra-Mar
Driller : Bill Christopher
Designation of Drill : Mobile Drill B-59
Type of Drill Rig : Hollow Stem Auger
Geologist : Jeff DeVaughn
Depth to Bedrock : 15.0 feet
Depth Drilled Into Rock: 2.0 feet
Borehole Diameter : 8 inches
Sampling Equipment : 4.25" Augers
: CME Sampler 5' long

Depth in feet	Surf. Elev. 795.26ft	USCS	GRAPHIC	Water Levels	DESCRIPTION	REMARKS
0	795				Topsoil. 0.0-0.2' bgs.; weathered tan limestone.	Sample BKSB104 collected 0.0-0.5' bgs.
1	794				Interbedded Silty and pebbly CLAY; 40% coarse sand to pebble sized angular to subrounded fragments; dry; moderately plastic; thin layers of 10YR8/4 very pale brown and 10YR3/2 very dark grayish brown.	
2	793	CL			Same as above; no pebbles; dry.	Description from soil cuttings.
3	792					
4	791				Same as above; weathered, tan limestone fragments; dry.	Sample BKSB105 collected 4.0-4.5' bgs.
5	790	CL				
6	789				Same as above; interbeds of limestone; dry.	
7	788				Same as above; dry.	
8	787					
9	786				Same as above; dry.	Sample BKSB106 collected 9.0-9.5' bgs.
10	785	CL				
11	784				Same as above; except more medium to coarse sand; dry; soft; non-plastic.	
12	783					
13	782				Same as above; dry.	Description from soil cuttings.
14	781	CL			Silty CLAY; weathered limestone fragments; damp; firm; moderately plastic; mottled 10YR8/2 very pale brown and 10YR6/4 light yellowish brown.	Sample BKSB107 collected 14.0-15.0' bgs.
15	780				LIMESTONE, weathered; dry; blue-gray.	
16	779	LS				
17	778				Bottom of Boring @ 17.0' bgs.	
18	777					
19	776					
20						Soil colors from Munsell Soil Color Chart, 1992 Revised Edition.



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Boring FHBKG-SB104

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FHBKG : Background
Start Date : 12/11/96
End Date : 12/11/96
Northing Coord. : 3447780.16 m
Easting Coord. : 613523.75 m UTM 14 North
Total Depth of Boring : 24.0 feet

Drilling Company : Terra-Mar
Driller : Bill Christopher
Designation of Drill : Mobile Drill B-59
Type of Drill Rig : Hollow Stem Auger
Geologist : Jeff DeVaughn
Depth to Bedrock : 24.0 feet
Depth Drilled Into Rock: NA
Borehole Diameter : 8 inches
Sampling Equipment : 4.25" Augers
: CME Sampler 5' long

Depth in feet	Surf. Elev. 896.29	USCS	GRAPHIC	Water Levels	DESCRIPTION	REMARKS
0	896				Topsoil. 0.0-1.0' bgs.; weathered tan limestone.	Sample BKS108 collected 0.0-1.0' bgs.
1	895				Silty CLAY; trace organics; weathered limestone fragments; damp; soft; low plasticity; 2.5Y7/6 yellow.	
2	894				Same as above.	Description from soil cuttings.
3	893				Same as above; no organics; dry; 10YR7/8 yellow mottle.	Sample BKS109 collected 4.0-5.0' bgs.
4	892				Same as above; slightly more silty; dry; hard; brittle.	Description from soil cuttings.
5	891	CL				Description from soil cuttings. Hard drilling.
6	890					
7	889					
8	888					
9	887				LIMESTONE, weathered; tan.	
10	886	LS			weathered limestone as above.	
11	885				Silty CLAY as above; dry.	Sample BKS110 collected 11.0-11.5' bgs.
12	884	CL			Same as above; dry.	Geotechnical sample collected 12.0-13.0' bgs.
13	883				Silty CLAY and weathered LIMESTONE interbeds.	
14	882					Description from soil cuttings.
15	881	CL				
16	880					
17	879					
18	878	CL			Silty CLAY as above; dry.	Sample BKS111 collected 18.0-18.5' bgs.
19	877				Silty CLAY and weathered LIMESTONE interbeds.	
20	876					Description from soil cuttings.
21	875	CL				
22	874					
23	873				Same as above; dry.	
24	872				Blue-gray weathered limestone fragments; dry.	Soil colors from Munsell Soil Color Chart, 1992 Revised Edition.
25	872	LS			Bottom of Boring at 24.0' bgs.	



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Boring FHBKG-SB105

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FHBKG : Background
Start Date : 12/11/96
End Date : 12/11/96
Northing Coord. : Not
Easting Coord. : Surveyed
Total Depth of Boring : 24.0 feet

Drilling Company : Terra-Mar
Driller : Bill Christopher
Designation of Drill : Mobile Drill B-59
Type of Drill Rig : Hollow Stem Auger
Geologist : Jeff DeVaughn
Depth to Bedrock : 24.0 feet
Depth Drilled Into Rock: NA
Borehole Diameter : 8 inches
Sampling Equipment : 4.25" Augers
: CME Sampler 5' long

Depth in feet	Surf. Elev. NS	USCS	GRAPHIC	Water Levels	DESCRIPTION	REMARKS
0	0	GP			GRAVEL (graded area).	
1	-1				Silty CLAY; weathered limestone fragments; dry; firm; non-plastic; 2.5Y6/4 light yellowish brown.	Sample BKSB112 collected 1.0-1.5' bgs.
2	-2	CL			Same as above; dry.	Description from soil cuttings.
3	-3					
4	-4	CH			CLAY, fat; dry; firm; highly plastic; mottled 2.5Y6/4 light yellowish brown and 10YR6/6 brownish yellow.	Sample BKSB113 collected 4.0-5.0' bgs.
5	-5				Silty CLAY and LIMESTONE interbeds; dry; firm; 2.5Y6/4 light yellowish brown.	
6	-6					
7	-7					
8	-8					Description from soil cuttings.
9	-9					
10	-10	CL			Same as above; dry.	
11	-11				Same as above; dry; moderately plastic.	Sample BKSB114 collected 11.0-12.0' bgs.
12	-12					
13	-13				Same as above; dry.	Description from soil cuttings.
14	-14					
15	-15	CL			Same as above; more silt; dry; hard; brittle; non-plastic.	Sample BKSB115 collected 15.0-15.5' bgs.
16	-16				Same as above with weathered limestone interbeds.	
17	-17					
18	-18					Description from soil cuttings.
19	-19					
20	-20	CL				
21	-21					
22	-22				Same as above; dry.	Sample BKSB116 collected 22.0-22.5' bgs.
23	-23					
24	-24				Blue-gray weathered limestone; dry; hard drilling to 24.0'.	Soil colors from Munsell Soil Color Chart, 1992 Revised Edition.
24	-24	LS			Bottom of Boring at 24.0' bgs.	
25						



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Boring FHBKG-SB106

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FHBKG : Background
Start Date : 12/12/96
End Date : 12/12/96
Northing Coord. : Not
Easting Coord. : Surveyed
Total Depth of Boring : 25.5 feet

Drilling Company : Terra-Mar
Driller : Bill Christopher
Designation of Drill : Mobile Drill B-59
Type of Drill Rig : Hollow Stem Auger
Geologist : Jeff DeVaughn
Depth to Bedrock : 25.5 feet
Depth Drilled Into Rock: NA
Borehole Diameter : 8 inches
Sampling Equipment : 4.25" Augers
: CME Sampler 5' long

Depth in feet	Surf. Elev. NS	USCS	GRAPHIC	Water Levels	DESCRIPTION	REMARKS
0	0	CL			Silty CLAY; weathered limestone fragments; dry; firm; non-plastic; mottled 2.5Y7/6 yellow and 10YR6/6 brownish yellow.	Sample BKSB117 collected 0.0-1.0' bgs.
1	-1					
2	-2				Same as above; dry.	
3	-3					
4	-4	CL			Same as above with weathered limestone interbeds.	Geotechnical sample collected 3.0-4.0' bgs.
5	-5					
6	-6					Description from soil cuttings.
7	-7				Same as above with trace sand; dry.	
8	-8	SM			Silty SAND, fine; dry; non-plastic; carbonate (HCL fizz); 2.5Y8/4 pale yellow.	Sample BKSB118 collected 9.0-9.5' bgs.
9	-9					
10	-10				Same as above; dry.	
11	-11				Same as above except color change to 19YR8/2 very pale brown.	
12	-12	SP			Same as above SAND, fine; except no silt.	Sample BKSB119 collected 14.0-14.5' bgs.
13	-13					
14	-14					Description from soil cuttings.
15	-15				Same as above; dry.	
16	-16	SW			SAND, fine; dry; soft; non-carbonate; 2.5Y8/4 pale yellow.	Sample BKSB120 collected 19.0-20.0' bgs.
17	-17					
18	-18				Same as above; dry.	
19	-19					Description from soil cuttings.
20	-20	LS			LIMESTONE, weathered; dry; tan.	
21	-21					
22	-22				Blue-gray weathered limestone; dry.	
23	-23				Bottom of Boring at 25.5' bgs.	
24	-24					Soil colors from Munsell Soil Color Chart, 1992 Revised Edition.
25	-25					
26	-26					
27	-27					
28	-28					
29	-29					
30						



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FHBKG : Background
Start Date : 12/12/96
End Date : 12/12/96
Northing Coord. : 3438421.71 m
Easting Coord. : 612222.83 m UTM 14 North
Total Depth of Boring : 6.0 feet

Drilling Company : Terra-Mar
Driller : Bill Christopher
Designation of Drill : Mobile Drill B-59
Type of Drill Rig : Hollow Stem Auger
Geologist : Jeff DeVaughn
Depth to Bedrock : 1.7 feet
Depth Drilled Into Rock: 4.3 feet
Borehole Diameter : 8 inches
Sampling Equipment : 4.25" Augers
: CME Sampler 5' long

Depth in feet	Surf. Elev. NS	USCS	GRAPHIC	Water Levels	DESCRIPTION	REMARKS
0	0	CL			Silty CLAY; weathered limestone fragments; dry; hard; non-plastic; mottled 10YR6/8 brownish yellow and 10YR6/2 light brownish gray.	Sample BKSB124 collected 0.0-1.0' bgs.
1	-1					
2	-2	LS			LIMESTONE, weathered, fossiliferous; Blue-Gray; 2.5Y6/1 gray.	
3	-3					Description from soil cuttings.
4	-4				Same as above	Sample BKSB125 collected 4.0-4.5' bgs.
5	-5					Description from soil cuttings.
6	-6				Same as above	Sample BKSB126 collected 5.5-6.0' bgs.
7	-7					
8	-8				Bottom of Boring at 6.0' bgs.	
9	-9					Soil colors from Munsell Soil Color Chart, 1992 Revised Edition.
10						



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FHBKG : Background
Start Date : 01/14/97
End Date : 01/14/97
Northing Coord. : Not
Easting Coord. : Surveyed
Total Depth of Boring : 17.0 feet

Drilling Company : Terra-Mar
Driller : Bill Christopher
Designation of Drill : Mobile Drill B-59
Type of Drill Rig : Hollow Stem Auger
Geologist : Jeff DeVaughn
Depth to Bedrock : 15.0 feet
Depth Drilled Into Rock: 2.0 feet
Borehole Diameter : 8 inches
Sampling Equipment : 4.25" Augers
: CME Sampler 5' long

Depth in feet	Surf. Elev. NS	USCS	GRAPHIC	Water Levels	DESCRIPTION	REMARKS
0	0				Topsoil 0.0-0.4'	Sample BKSB135 collected 0.0-1.0' bgs.
1	-1				Silty CLAY; weathered limestone fragments; dry; firm; non-plastic; 10YR6/8 brownish yellow.	
2	-2					
3	-3				Same as above; dry.	Description from soil cuttings.
4	-4					
5	-5				Same as above; dry; mottled with 2.5Y7/3 pale yellow.	Sample BKSB136 collected 5.0-5.5' bgs.
6	-6					
7	-7				Same as above; dry.	Description from soil cuttings.
8	-8	CL				
9	-9				Same as above; dry.	Sample BKSB137 collected 9.0-9.5' bgs.
10	-10					
11	-11					
12	-12				Same as above; dry.	Description from soil cuttings.
13	-13					
14	-14				Same as above; less silty; dry. Same as above; dry.	Sample BKSB138 collected 14.0-14.5' bgs.
15	-15				LIMESTONE, weathered; blue-gray.	
16	-16	LS			Same as above; dry.	Sample BKSB139 collected 16.5-17.0' bgs.
17	-17				Bottom of Boring at 17.0' bgs.	
18	-18					Soil colors from Munsell Soil Color Chart, 1992 Revised Edition.
19	-19					
20						



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FHBKG : Background
Start Date : 01/15/97
End Date : 01/15/97
Northing Coord. : 3471041.79 m
Easting Coord. : 626015.26 m UTM 14 North
Total Depth of Boring : 24.0 feet

Drilling Company : Terra-Mar
Driller : Bill Christopher
Designation of Drill : Mobile Drill B-59
Type of Drill Rig : Hollow Stem Auger
Geologist : Jeff DeVaughn
Depth to Bedrock : Not Encountered
Depth Drilled Into Rock: NA
Borehole Diameter : 8 inches
Sampling Equipment : 4.25" Augers
: CME Sampler 5' long

Depth in feet	Surf. Elev. 730.62ft	USCS	GRAPHIC	Water Levels	DESCRIPTION	REMARKS
0					Silty CLAY; trace roots; trace rock fragments <1cm, angular to subrounded; damp; highly plastic; 5YR2.5/1 black.	Sample BKSB140 collected 0.0-1.0' bgs.
1	730					
2	729				Same as above; damp.	
3	728					
4	727	CL			Same as above; damp.	Description from soil cuttings.
5	726					Sample BKSB141 collected 4.0-5.0' bgs.
6	725					
7	724				Silty CLAY; trace weathered limestone fragments; dry; stiff; non-plastic; 7.5YR6/4 light brown.	
8	723				Some sand, fine, from 8-9' bgs.	Description from soil cuttings.
9	722				Same as above; dry.	Sample BKSB142 collected 9.0-10.0' bgs.
10	721					
11	720				Same as above except rock fragments (mostly weathered limestone) up to 20% of total matrix.	
12	719					
13	718				Same as above; dry.	Description from soil cuttings.
14	717					
15	716	CL			Same as above; with limestone fragments up to 40%; also 10% fine sand; dry.	Sample BKSB143 collected 14.5-15.0' bgs.
16	715					
17	714				Same as above; dry.	Description from soil cuttings.
18	713					
19	712				Same as above; dry.	Sample BKSB144 collected 19.0-19.3' bgs.
20	711					
21	710					Description from soil cuttings.
22	709				Same as above; dry.	
23	708					
24	707	SM			Silty SAND, fine to medium; moist; soft; moderately plastic; 7.5Y6/8 reddish yellow and 7.5 YR7/1 light gray.	Water in hole, attempted sample, no recovery in gravel at 24'
25	706	GP			Bottom of boring at 24.0' bgs. GRAVEL,angular;saturated	Soil colors from Munsell Soil Color Chart, 1992 Revised Edition.



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Boring FHBKG-SB110

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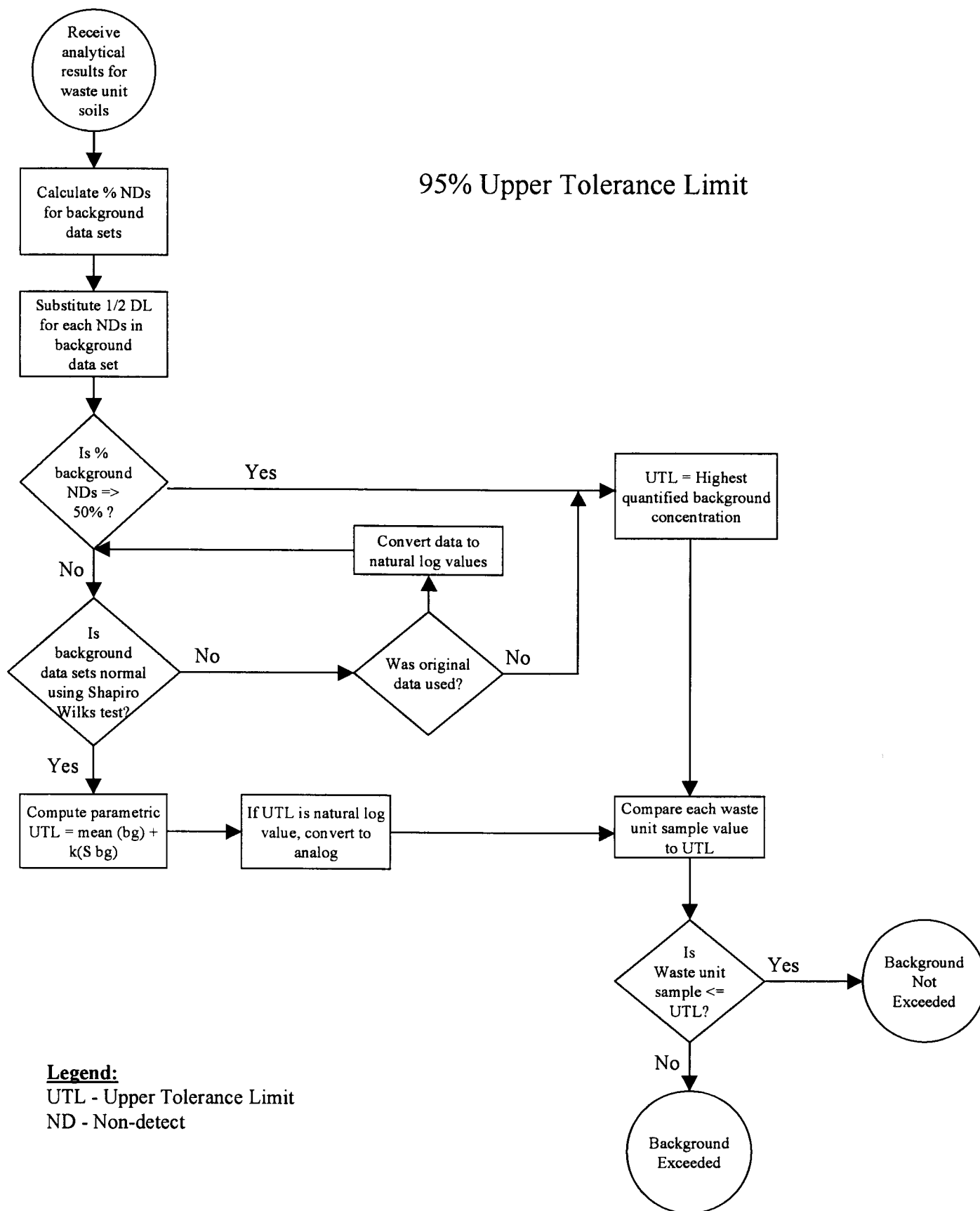
FHBKG : Background
Start Date : 12/13/96
End Date : 12/13/96
Northing Coord. : 3472081.13 m
Easting Coord. : 626432.83 m UTM 14 North
Total Depth of Boring : 34.5 feet

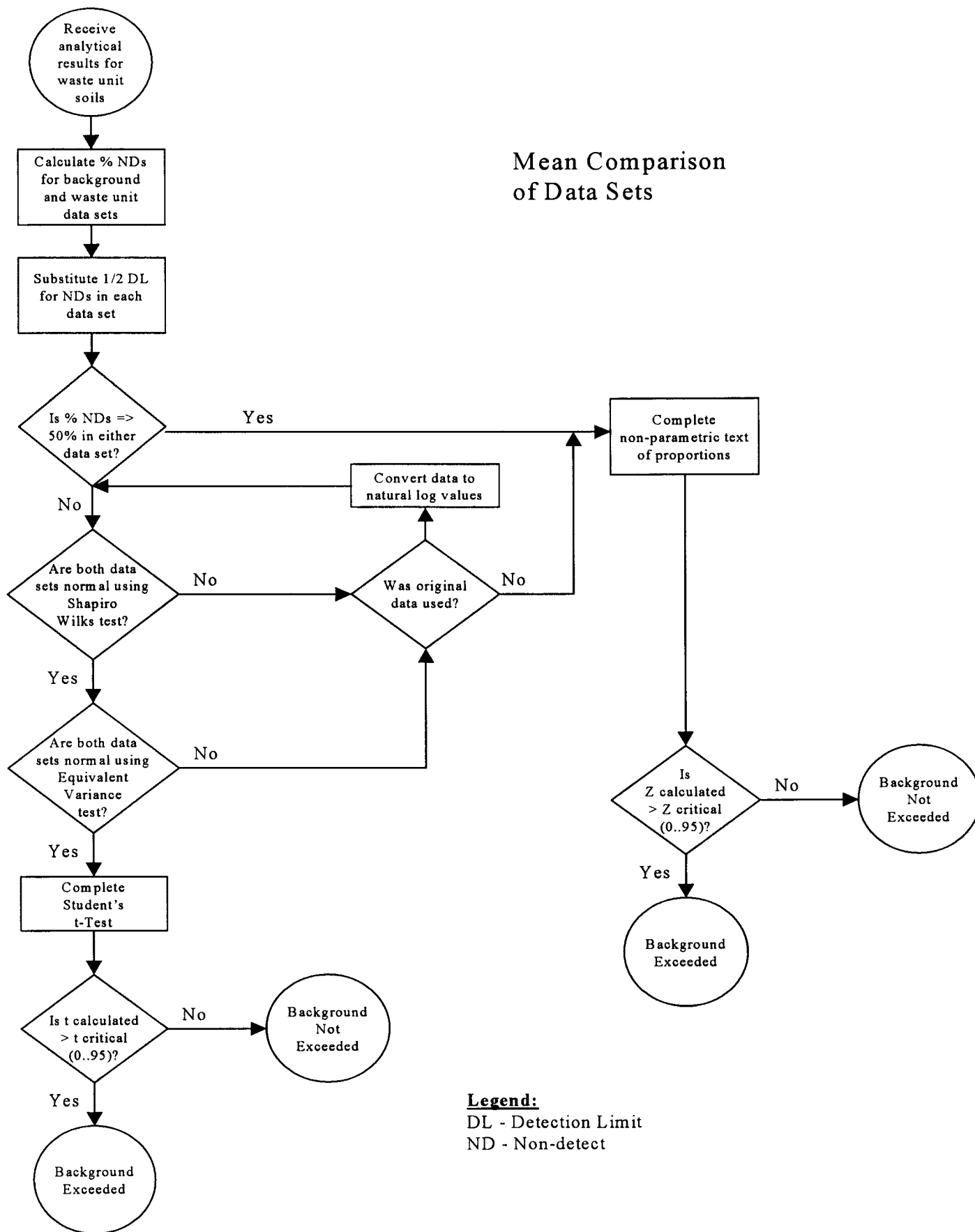
Drilling Company : Terra-Mar
Driller : Bill Christopher
Designation of Drill : Mobile Drill B-59
Type of Drill Rig : Hollow Stem Auger
Geologist : Jeff DeVaughn
Depth to Bedrock : Not Encountered
Depth Drilled Into Rock: NA
Borehole Diameter : 8 inches
Sampling Equipment : 4.25" Augers
 : CME Sampler 5' long

Depth in feet	Surf. Elev. 729.66ft	USCS	GRAPHIC	Water Levels	DESCRIPTION	REMARKS
0	729	SM			SAND, fine to medium; some silt; damp; soft; non-plastic; 7.5YR5/6 strong brown.	Sample BKSB127 collected 0.0-1.0' bgs.
1	728				Same as above; damp to moist.	
2	727					
3	726	SC			Clayey SAND; damp; firm; moderately plastic; 2.5YR4/6 red.	Sample BKSB128 collected 4.0-6.0' bgs.
4	725				Same as above; damp.	
5	724					
6	723				Same as above; damp.	Geotechnical sample collected 8.0-9.0' bgs.
7	722					
8	721				Same as above; damp.	
9	720					Sample BKSB129 collected 10.0-11.0' bgs.
10	719				Same as above; slightly less clay; dry.	
11	718					
12	717				Same as above; dry.	Sample BKSB130 collected 15.0-16.0' bgs.
13	716					
14	715				Same as above; less clay; dry; color change 5YR5/6 yellowish red.	
15	714				Same as above; dry.	Sample BKSB131 collected 20.0-21.0' bgs.
16	713				Same as above; dry;	
17	712					
18	711				Same as above; more clay; dry.	Sample BKSB132 collected 25.0-26.0' bgs.
19	710					
20	709	CL			Silty CLAY; trace sand; trace tan weathered limestone fragments; dry; hard; 7.5YR6/6 reddish yellow.	Sample BKSB133 collected 30.0-31.0' bgs.
21	708				Same as above; dry.	
22	707					
23	706				Same as above; dry.	Sample BKSB134 collected 34.0-34.5' bgs.
24	705					
25	704				Same as above; dry.	
26	703				Same as above; dry.	Soil colors from Munsell Soil Color Chart, 1992 Revised Edition.
27	702					
28	701				Same as above; with more silt; moist; softer.	
29	700					
30	699				Same as above; except very silty; damp; soft.	
31	698					
32	697	SM			Silty SAND, fine; trace gravel and coarse sand at bottom; saturated; non-plastic; 7.5Y6/6 reddish yellow.	
33	696					
34	695	GW			SAND, coarse, and GRAVEL, poorly sorted, angular to round; saturated; 1.5 water in hole.	
35	694					
36	693				Bottom of boring at 34.5' bgs.	
37	692					
38	691					
39	690					
40						

APPENDIX F

Statistical Calculations





Formulas for Shapiro Wilk or W test

1. Compute the denominator d of the W test statistic, using the n data;

$$d = \sum_{i=1}^n (x_i - \bar{x})^2$$

2. Order the n data from smallest to largest to obtain the sample order statistics

$$x_1 \leq x_2 \leq x_3 \leq \text{etc}$$

3. Compute k , where $k = n/2$ if n is even or

$$k = (n-1)/2 \text{ if } n \text{ is odd}$$

4. Turn to Table A6 in *Statistical Methods for Environmental Pollution Monitoring*, by Richard Gilbert, and for the observed n find the coefficients a_1, a_2, \dots, a_k

5. Then compute W

$$W = 1/d \{ \sum a_i (x_{[n-i+1]} - x_{[i]})^2 \}$$

6. Reject H_0 at the α significance level if W is less than the quantile given in Table A7 of *Statistical Methods for Environmental Pollution Monitoring*, by Richard Gilbert.

This procedure is used on the logarithms of data to test if distribution is lognormal.

95% UTL Calculations

1. Determine distribution. If normal use the data as is and 1/2 of the value for nondetects. If lognormal distribution calculate the 95% UTL on the log values.
2. Find the mean of the data set.
3. Find the standard deviation of data set
4. Based on the n of the data set look up the K value from *Statistical Methods for Environmental Pollution Monitoring*, by Richard Gilbert, Table A3.
5. Calculate the 95% UTL = mean + K (standard deviation)

For lognormal distribution, need to take the exponent of the 95%UTL of the log.

Methodology for the Mann-Whitney Test (a.k.a. Wilcoxon Test)

1. Perform combined ranking of SWMU data set and background data set. (See attached ranking results.)

Compound A - Samples collected at SWMU

Compound B - Background samples

2. Calculate the sampling distribution of U .

$$U = n_1 n_2 + \frac{n_1(n_1 + 1)}{2} - R_1$$

where,

n_1 and n_2 = sizes of the two data sets

R_1 = Sum of the ranks assigned to the values of the first sample.

3. Calculate the mean (μ_U) and the standard deviation (σ_U) of U .

$$\mu_U = \frac{n_1 n_2}{2} \quad \sigma_U = \sqrt{\frac{n_1 n_2 (n_1 + n_2 + 1)}{12}}$$

4. Determine the statistical value z .

$$z = \frac{U - \mu_U}{\sigma_U}$$

5. Compare z to z_α

Using $z_{0.05} = 1.645$, if $|z| > z_{0.05}$, the SWMU concentrations (Compound A) are significantly different than the background concentrations (Compound B).

95% UTLs

Soil Background 95% UTLs NO DUPLICATES						
smp_id	Mercury		Arsenic	Barium		
	Result (x)	Qual	Result (x)	Result	Qual	Ln(x)
BKSB101	0.04	U	3	21.3	J	3.058707073
BKSB102	0.04	U	2	8	J	2.079441542
BKSB103	0.04	U	9.1	14.7	J	2.687847494
BKSB105	0.04	U	4.3	23.4	J	3.152736022
BKSB106	0.04	U	4.4	43.7	J	3.777348102
BKSB107	0.04	U				
BKSB109	0.04	U	3.5	155	J	5.043425117
BKSB110	0.04	U	4.8	24.1	J	3.18221184
BKSB111	0.04	U	5.2	7.2	J	1.974081026
BKSB113	0.04	U	5.7	20.5	J	3.020424886
BKSB114	0.04	U	5.2	25.2	J	3.226843995
BKSB115	0.04	U	5.3	10.6	J	2.360854001
BKSB116	0.04	U	11.6	4.9	J	1.589235205
BKSB118	0.04	U	2.6	4.4	J	1.481604541
BKSB119	0.04	U	0.66	3		1.098612289
BKSB120	0.04	U	0.44	2		0.693147181
BKSB122	0.04	U	3.2	6.1		1.808288771
BKSB123	0.04	U	3.8	5.5		1.704748092
BKSB125	0.04	U	3.2	18.1		2.895911938
BKSB126	0.04	U	2.5	5.4		1.686398954
BKSB128	0.04		3.6	36.3		3.591817741
BKSB129	0.04	U	2.6	26.3		3.269568939
BKSB130	0.04	U	1	8.1		2.091864062
BKSB131	0.04	U	5.3	65.9		4.188138442
BKSB132	0.04	U	4.2	41.7		3.730501129
BKSB133	0.04	U	3.2	68.6		4.228292535
BKSB134	0.04	U	2.9	20.1		3.000719815
BKSB136	0.04	U	4.3	14.8	J	2.694627181
BKSB137	0.04	U	8.2	7.8	J	2.054123734
BKSB138	0.04	U	9.2	12.2	J	2.501435952
BKSB139	0.04	U	7.6	7.3	J	1.987874348
BKSB141	0.04	U	5.6	127	J	4.844187086
BKSB142	0.04	U	3.8	63	J	4.143134726
BKSB143	0.04	U	3.8	39.3	J	3.671224519
BKSB144	0.04	U	3.7	36.1	J	3.586292865
BKSB104	0.04	U	6.2	28.2	J	3.339321978
BKSB108	0.04	U	6	72.4	J	4.282206299
BKSB112	0.04	U	1.6	6.6	J	1.887069649
BKSB117	0.04	U	4.4	27.9	J	3.328626689
BKSB121	0.04	U	4.1	24		3.17805383
BKSB124	0.04	U	6	19.3		2.960105096
BKSB127	0.04	U	1.9	18.8		2.93385687
BKSB135	0.04	U	2.7	15.4	J	2.734367509
BKSB140	0.04	U	4.8	108	J	4.682131227
%nondetects=	0.04	0.957446809				0
Distribution	D		N			L
Mean	0.04		4.353488372	30.19069767		2.917009542
std dev	0		2.299203676	33.47344231		1.018594869
n	44		43	43		43
K	2.097		2.102	2.102		2.102
UTL	0.04		9.186414498	100.5518734		5.058095955
UTL(ln)=exp(mean + K(std dev)						167.2907424

95% UTLs

Soil Background 95							
smp_id	Cadmium				Chromium		
	Result (x)	Qual	1/2 nondetects	Ln(x)	Result (x)	Qual	Ln(x)
BKSB101	0.12		0.12	-2.120263536	5.1	J	1.62924054
BKSB102	0.05		0.05	-2.995732274	10.3	J	2.332143895
BKSB103	0.05	U	0.025	-3.688879454	10.1	J	2.312535424
BKSB105	0.11		0.11	-2.207274913	4	J	1.386294361
BKSB106	0.16		0.16	-1.832581464	7.6	J	2.028148247
BKSB107	0.35		0.35	-1.049822124	5.1	J	1.62924054
BKSB109	0.07		0.07	-2.659260037	6.5	J	1.871802177
BKSB110	0.06		0.06	-2.813410717	16.6	J	2.809402695
BKSB111	0.05		0.05	-2.995732274	6.2	J	1.824549292
BKSB113	0.07		0.07	-2.659260037	8.9	J	2.186051277
BKSB114	0.05	U	0.025	-3.688879454	20.3	J	3.010620886
BKSB115	0.06		0.06	-2.813410717	7.3	J	1.987874348
BKSB116	0.2		0.2	-1.609437912	2.7	J	0.993251773
BKSB118	0.19		0.19	-1.660731207	2.2	J	0.78845736
BKSB119	0.06		0.06	-2.813410717	2.1		0.741937345
BKSB120	0.04	U	0.02	-3.912023005	0.93		-0.072570693
BKSB122	0.06		0.06	-2.813410717	4.9		1.589235205
BKSB123	0.08		0.08	-2.525728644	4.3		1.458615023
BKSB125	0.11		0.11	-2.207274913	5.1		1.62924054
BKSB126	0.06		0.06	-2.813410717	5.5		1.704748092
BKSB128	0.05	U	0.025	-3.688879454	8.5		2.140066163
BKSB129	0.04	U	0.02	-3.912023005	4.6		1.526036303
BKSB130	0.07		0.07	-2.659260037	1.8		0.587786665
BKSB131	0.15		0.15	-1.897119985	7.7		2.041220329
BKSB132	0.04	U	0.02	-3.912023005	5.9		1.774952351
BKSB133	0.11		0.11	-2.207274913	4.9		1.589235205
BKSB134	0.08		0.08	-2.525728644	1.2		0.182321557
BKSB136	0.2	J	0.2	-1.609437912	8.3		2.116255515
BKSB137	0.18	J	0.18	-1.714798428	8.1		2.091864062
BKSB138	0.21	J	0.21	-1.560647748	11.1		2.406945108
BKSB139	0.2	J	0.2	-1.609437912	8.4		2.128231706
BKSB141	0.45	J	0.45	-0.798507696	23.6		3.161246712
BKSB142	0.29	J	0.29	-1.237874356	8.4		2.128231706
BKSB143	0.27	J	0.27	-1.30933332	12.2		2.501435952
BKSB144	0.2	J	0.2	-1.609437912	6.5		1.871802177
BKSB104	0.15		0.15	-1.897119985	3.1	J	1.131402111
BKSB108	0.2		0.2	-1.609437912	12.9	J	2.557227311
BKSB112	0.04	U	0.02	-3.912023005	4	J	1.386294361
BKSB117	0.18		0.18	-1.714798428	5.7	J	1.740466175
BKSB121	0.18		0.18	-1.714798428	6.3		1.840549633
BKSB124	0.11		0.11	-2.207274913	7.2		1.974081026
BKSB127	0.04	U	0.02	-3.912023005	3.7		1.30833282
BKSB135	0.17	J	0.17	-1.771956842	6.1		1.808288771
BKSB140	0.79	J	0.79	-0.235722334	16.1		2.778819272
%nondetects=		0.191489362				0	
Distribution				L			L
Mean	0.145454545			-2.343338046	7.318863636		1.786680257
std dev	0.134759986			0.926564755	4.781799902		0.680627117
n	44			44	44		44
K	2.097			2.097	2.097		2.097
UTL	0.428046235			-0.400331751	17.34629803		3.213955322
UTL(ln)=exp(mean)				0.670097701			24.87728958

95% UTLs

Soil Background 95							
smp_id	Lead			Selenium		Silver	
	Result (x)	Qual	Ln(x)	Result (x)	Qual	Result (x)	Qual
BKSB101	6	J	1.791759469	0.37	U	0.24	U
BKSB102	5	J	1.609437912	0.36	U	0.23	U
BKSB103	9.5	J	2.251291799	0.38	U	0.24	U
BKSB105	3.9	J	1.360976553	0.33	U	0.21	U
BKSB106	5	J	1.609437912	0.33	U	0.21	U
BKSB107	6.1	J	1.808288771	0.36	U	0.23	U
BKSB109	3.2	J	1.16315081	0.34	U	0.22	U
BKSB110	7.8	J	2.054123734	0.36	U	0.23	U
BKSB111	5.3	J	1.667706821	0.35	U	0.22	U
BKSB113	6	J	1.791759469	0.36	U	0.23	U
BKSB114	7.7	J	2.041220329	0.38	U	0.24	U
BKSB115	5.1	J	1.62924054	0.32	U	0.2	U
BKSB116	5.6	J	1.722766598	0.33	U	0.21	U
BKSB118	3.7	J	1.30833282	0.34	U	0.21	U
BKSB119	1.3	J	0.262364264	0.33	U	0.21	U
BKSB120	0.72	J	-0.328504067	0.32	U	0.2	U
BKSB122	4.1	J	1.410986974	0.33	U	0.21	U
BKSB123	3.8	J	1.335001067	0.33	U	0.21	U
BKSB125	1.7	J	0.530628251	0.36		0.21	U
BKSB126	1.5	J	0.405465108	0.44		0.21	U
BKSB128	7.5	J	2.014903021	0.35	U	0.22	U
BKSB129	4.1	J	1.410986974	0.33	U	0.21	U
BKSB130	3.1	J	1.131402111	0.32	U	0.2	U
BKSB131	10.1	J	2.312535424	0.34	U	0.22	U
BKSB132	7.8	J	2.054123734	0.34	U	0.21	U
BKSB133	6.3	J	1.840549633	0.35	U	0.22	U
BKSB134	2.3	J	0.832909123	0.33	U	0.21	U
BKSB136	3	J	1.098612289	0.32	R	0.22	U
BKSB137	2.3	J	0.832909123	0.31	R	0.21	U
BKSB138	4.1	J	1.410986974	0.32	R	0.22	U
BKSB139	3.6	J	1.280933845	0.31	R	0.21	U
BKSB141	12.1	J	2.493205453	1.8	R	0.25	U
BKSB142	5	J	1.609437912	1.9	R	0.25	U
BKSB143	6.6	J	1.887069649	0.35	R	0.24	U
BKSB144	4	J	1.386294361	0.31	R	0.21	U
BKSB104	5.3	J	1.667706821	0.32	U	0.2	U
BKSB108	9.8	J	2.282382386	0.37	U	0.23	U
BKSB112	1.5	J	0.405465108	0.32	U	0.2	U
BKSB117	8.3	J	2.116255515	0.33	U	0.21	U
BKSB121	10.2	J	2.32238772	0.34	U	0.22	U
BKSB124	4.5	J	1.504077397	0.34	U	0.21	U
BKSB127	3.8	J	1.335001067	0.33	U	0.21	U
BKSB135	2.5	J	0.916290732	1.5	R	0.21	U
BKSB140	33.2	J	3.502549876	0.35	R	0.24	U
%nondetects=			0				
Distribution			L	D		D	
Mean	5.773181818		1.52441844	0.345		0.217954545	
std dev	4.998382889		0.678101063	0.024277437		0.01390659	
n	44		44				
K	2.097		2.097				
UTL	16.25479074		2.94639637				
UTL(ln)=exp(mean)			19.03722684				

Shapiro Wilk for Arsenic

smp_id Arsenic			a(n-i+1)	b(i)
BKSB101	3	0.44	11.6	11.16
BKSB102	2	0.66	9.2	8.54
BKSB103	9.1	1	9.1	8.1
BKSB104	6.2	1.6	8.2	6.6
BKSB105	4.3	1.9	7.6	5.7
BKSB106	4.4	2	6.2	4.2
BKSB108	6	2.5	6	3.5
BKSB109	3.5	2.6	6	3.4
BKSB110	4.8	2.6	5.7	3.1
BKSB111	5.2	2.7	5.6	2.9
BKSB112	1.6	2.9	5.3	2.4
BKSB113	5.7	3	5.3	2.3
BKSB114	5.2	3.2	5.2	2
BKSB115	5.3	3.2	5.2	2
BKSB116	11.6	3.2	4.8	1.6
BKSB117	4.4	3.5	4.8	1.3
BKSB118	2.6	3.6	4.4	0.8
BKSB119	0.66	3.7	4.4	0.7
BKSB120	0.44	3.8	4.3	0.5
BKSB121	4.1	3.8	4.30	0.5
BKSB122	3.2	3.8	4.2	0.4
BKSB123	3.8	4.1	4.1	0
BKSB124	6	4.2	3.8	-0.4
BKSB125	3.2	4.3	3.8	-0.5
BKSB126	2.5	4.30	3.8	-0.5
BKSB127	1.9	4.4	3.7	-0.7
BKSB128	3.6	4.4	3.6	-0.8
BKSB129	2.6	4.8	3.5	-1.3
BKSB130	1	4.8	3.2	-1.6
BKSB131	5.3	5.2	3.2	-2
BKSB132	4.2	5.2	3.2	-2
BKSB133	3.2	5.3	3	-2.3
BKSB134	2.9	5.3	2.9	-2.4
BKSB135	2.7	5.6	2.7	-2.9
BKSB136	4.30	5.7	2.6	-3.1
BKSB137	8.2	6	2.6	-3.4
BKSB138	9.2	6	2.5	-3.5
BKSB139	7.6	6.2	2	-4.2
BKSB140	4.8	7.6	1.9	-5.7
BKSB141	5.6	8.2	1.6	-6.6
BKSB142	3.8	9.1	1	-8.1
BKSB143	3.8	9.2	0.66	-8.54
BKSB144	3.7	11.6	0.44	-11.16
Sum of xi	187.2			
Mean	4.353488372			
n=	43			
sum of xi^2	1036.9992			
1/n=	0.023255814			
xi=(sum xi)^2	35043.84			
d=	222.0261767			
W=	0.939827935			
W(0.05,43)=	0.943			
W<W(0.5,43), the distribution is approximately normal				

Shapiro Wilk for Arsenic

	ln of ordered Conc. $x(i)$		ln of Reverse Order $x(n-i+1)$	Difference $x(n-i+1)-x(i)$	$a(n-i+1)$	$b(i)$
	-0.820980552	0.674009067	2.451005098	3.27198565	0.3894	1.274111212
	-0.415515444	0.172653084	2.219203484	2.634718928	0.2684	0.70715856
	0	0	2.208274414	2.208274414	0.2334	0.515411248
	0.470003629	0.220903412	2.104134154	1.634130525	0.2078	0.339572323
	0.641853886	0.411976411	2.028148247	1.386294361	0.1871	0.259375675
	0.693147181	0.480453014	1.824549292	1.131402111	0.1695	0.191772658
	0.916290732	0.839588705	1.791759469	0.875468737	0.1539	0.134734639
	0.955511445	0.913002122	1.791759469	0.836248024	0.1398	0.116907474
	0.955511445	0.913002122	1.740466175	0.78495473	0.1269	0.099610755
	0.993251773	0.986549085	1.722766598	0.729514825	0.1149	0.083821253
	1.064710737	1.133608953	1.667706821	0.602996084	0.1035	0.062410095
	1.098612289	1.206948961	1.667706821	0.569094532	0.0927	0.052755063
	1.16315081	1.352919806	1.648658626	0.485507816	0.0824	0.040005844
	1.16315081	2.781246039	1.648658626	0.485507816	0.0724	0.035150766
	1.16315081	6.007425991	1.568615918	0.405465108	0.0628	0.025463209
	1.252762968	2.195152016	1.568615918	0.315852949	0.0534	0.016866547
	1.280933845	0.913002122	1.481604541	0.200670695	0.0442	0.008869645
	1.30833282	0.172653084	1.481604541	0.173271721	0.0352	0.006099165
	1.335001067	0.674009067	1.458615023	0.123613956	0.0263	0.003251047
	1.335001067	1.99088424	1.458615023	0.123613956	0.0175	0.002163244
	1.335001067	1.352919806	1.435084525	0.100083459	0.0087	0.000870726
	1.410986974	1.782227848	1.410986974	0		0
	1.435084525	3.210401996	1.335001067	-0.100083459		0
	1.458615023	1.352919806	1.335001067	-0.123613956		0
	1.458615023	0.839588705	1.335001067	-0.123613956		
	1.481604541	0.411976411	1.30833282	-0.173271721		3.976381148
	1.481604541	1.640791516	1.280933845	-0.200670695		
	1.568615918	0.913002122	1.252762968	-0.315852949	W(0.05.43)=	0.943
	1.568615918	0	1.16315081	-0.405465108	W(ln)=	0.910616383
	1.648658626	2.781246039	1.16315081	-0.485507816		
	1.648658626	2.039467595	1.16315081	-0.485507816		
	1.667706821	1.352919806	1.098612289	-0.569094532		
	1.667706821	1.133608953	1.064710737	-0.602996084		
	1.722766598	0.986549085	0.993251773	-0.729514825		
	1.740466175	2.127557784	0.955511445	-0.78495473		
	1.791759469	4.427380539	0.955511445	-0.836248024		
	1.791759469	4.924864104	0.916290732	-0.875468737		
	1.824549292	4.113385313	0.693147181	-1.131402111		
	2.028148247	2.460555898	0.641853886	-1.386294361		
	2.104134154	2.96792475	0.470003629	-1.634130525		
	2.208274414	1.782227848	0	-2.208274414		
	2.219203484	1.782227848	-0.415515444	-2.634718928		
	2.451005098	1.711734767	-0.820980552	-3.27198565		
Sum of xi	56.26742214		56.26742214			
Mean	1.308544701					
n=	43					
sum of xi^2	90.99206827					
1/n=	0.023255814					
xi=(sum xi)^2	3166.022794					
d=	17.3636312					
W=	0.910616383					
W(0.05.43)=	0.943					
W<W(0.5.43). the distribution is not lognormal						

Shapiro Wilk for Barium

	Bkgd Conc (xi) (mg/kg)	Ordered Conc. x(i)	Reverse Ordered x(n- i+1)	Difference x(n- i+1)-x(i)	a(n-i+1)	b(i)
BKSB101	21.3	2	155	153	0.3894	59.5782
BKSB102	8	3	127	124	0.2684	33.2816
BKSB103	14.7	4.4	108	103.6	0.2334	24.18024
BKSB105	23.4	4.9	72.4	67.5	0.2078	14.0265
BKSB106	43.7	5.4	68.6	63.2	0.1871	11.82472
BKSB107		5.5	65.9	60.4	0.1695	10.2378
BKSB109	155	6.1	63	56.9	0.1539	8.75691
BKSB110	24.1	6.6	43.7	37.1	0.1398	5.18658
BKSB111	7.2	7.2	41.7	34.5	0.1269	4.37805
BKSB113	20.5	7.3	39.3	32	0.1149	3.6768
BKSB114	25.2	7.8	36.3	28.5	0.1035	2.94975
BKSB115	10.6	8	36.1	28.1	0.0927	2.60487
BKSB116	4.9	8.1	28.2	20.1	0.0824	1.65624
BKSB118	4.4	10.6	27.9	17.3	0.0724	1.25252
BKSB119	3	12.2	26.3	14.1	0.0628	0.88348
BKSB120	2	14.7	25.2	10.5	0.0534	0.5607
BKSB122	6.1	14.8	24.1	9.3	0.0442	0.41106
BKSB123	5.5	15.4	24	8.6	0.0352	0.30272
BKSB125	18.1	18.1	23.4	5.3	0.0263	0.13939
BKSB126	5.4	18.8	21.3	2.5	0.0175	0.04375
BKSB128	36.3	19.3	20.5	1.2	0.0087	0.01044
BKSB129	26.3	20.1	20.1	0	0	0
BKSB130	8.1	20.5	19.3	-1.2		0
BKSB131	65.9	21.3	18.8	-2.5		0
BKSB132	41.7	23.4	18.1	-5.3		
BKSB133	68.6	24	15.4	-8.6	sum Bi=	185.94432
BKSB134	20.1	24.1	14.8	-9.3		
BKSB136	14.8	25.2	14.7	-10.5	W(0.05,43)=	0.943
BKSB137	7.8	26.3	12.2	-14.1	W=	0.734709728
BKSB138	12.2	27.9	10.6	-17.3		
BKSB139	7.3	28.2	8.1	-20.1		
BKSB141	127	36.1	8	-28.1		
BKSB142	63	36.3	7.8	-28.5		
BKSB143	39.3	39.3	7.3	-32		
BKSB144	36.1	41.7	7.2	-34.5		
BKSB104	28.2	43.7	6.6	-37.1		
BKSB108	72.4	63	6.1	-56.9		
BKSB112	6.6	65.9	5.5	-60.4		
BKSB117	27.9	68.6	5.4	-63.2		
BKSB121	24	72.4	4.9	-67.5		
BKSB124	19.3	108	4.4	-103.6		
BKSB127	18.8	127	3	-124		
BKSB135	15.4	155	2	-153		
BKSB140	108			0		
Sum of xi	1298.2					
Mean	30.19069767					
n=	43					
sum of xi^2	86253.36					
1/n=	0.023255814					
xi=(sum xi)^2	1685323.24					
d=	47059.79628					
W=	0.734709728					
W(0.05,43)=	0.943					
W<W(0.5,43), distribution is not Normal						

Shapiro Wilk for Barium

	In of ordered Conc. $x(i)$		In of Reverse Order $x(n-i+1)$	Difference $x(n-i+1)-x(i)$	$a(n-i+1)$	$b(i)$
	0.693147181	0.480453014	5.043425117	4.350277936	0.3894	1.693998228
	1.098612289	1.206948961	4.844187086	3.745574798	0.2684	1.005312276
	1.481604541	2.195152016	4.682131227	3.200526686	0.2334	0.747002929
	1.589235205	2.525668537	4.282206299	2.692971094	0.2078	0.559599393
	1.686398954	2.843941431	4.228292535	2.541893581	0.1871	0.475588289
	1.704748092	2.906166058	4.188138442	2.483390349	0.1695	0.420934664
	1.808288771	3.26990828	4.143134726	2.334845955	0.1539	0.359332793
	1.887069649	3.56103186	3.777348102	1.890278453	0.1398	0.264260928
	1.974081026	3.896995897	3.730501129	1.756420103	0.1269	0.222889711
	1.987874348	3.951644424	3.671224519	1.683350171	0.1149	0.193416935
	2.034123734	4.219424313	3.591817741	1.537694008	0.1035	0.15915133
	2.079441542	4.324077125	3.586292865	1.506851324	0.0927	0.139685118
	2.091864062	4.375895253	3.339321978	1.247457916	0.0824	0.102790532
	2.360834001	5.573631615	3.328626689	0.967772688	0.0724	0.070066743
	2.501435952	6.257181821	3.269568939	0.768132987	0.0628	0.048238752
	2.687847494	7.22452415	3.226843995	0.538996501	0.0534	0.028782413
	2.694627181	7.261015643	3.18221184	0.48758466	0.0442	0.021551242
	2.734367509	7.476765677	3.17805383	0.443686321	0.0352	0.015617758
	2.895911938	8.386305954	3.152736022	0.256824084	0.0263	0.006754473
	2.93385687	8.607516133	3.058707073	0.124850203	0.0175	0.002184879
	2.960105096	8.762222179	3.020424836	0.06031979	0.0087	0.000524782
	3.000719815	9.004319409	3.000719815	0		0
	3.020424886	9.122966493	2.960105096	-0.06031979		0
	3.058707073	9.355688957	2.93385687	-0.124850203		0
	3.152736022	9.939744427	2.895911938	-0.256824084		
	3.17805383	10.10002615	2.734367509	-0.443686321		6.537684167
	3.18221184	10.1264722	2.694627181	-0.48758466		
	3.226843995	10.41252216	2.687847494	-0.538996501	W(0.05,43)=	0.943
	3.269568939	10.69008105	2.501435952	-0.768132987	W(ln)=	0.98083423
	3.328626689	11.07975563	2.360834001	-0.967772688		
	3.339321978	11.15107127	2.091864062	-1.247457916		
	3.586292865	12.86149652	2.079441542	-1.506851324		
	3.591817741	12.90115469	2.054123734	-1.537694008		
	3.671224519	13.47788947	1.987874348	-1.683350171		
	3.730501129	13.91663867	1.974081026	-1.756420103		
	3.777348102	14.26835868	1.887069649	-1.890278453		
	4.143134726	17.16556536	1.808288771	-2.334845955		
	4.188138442	17.54050361	1.704748092	-2.483390349		
	4.228292535	17.87845776	1.686398954	-2.541893581		
	4.282206299	18.33729079	1.589235205	-2.692971094		
	4.682131227	21.92235283	1.481604541	-3.200526686		
	4.844187086	23.46614853	1.098612289	-3.745574798		
	5.043425117	25.43613691	0.693147181	-4.350277936		
Sum of xi	125.4314103		125.4314103			
Mean	2.917009542					
n=	43					
sum of xi^2	409.4611119					
1/n=	0.023255814					
xi=(sum xi)^2	15733.03869					
d=	43.57649126					
W(ln)=	0.98083423					
W(0.05,43)=	0.943					
W>W(0.5,43), distribution is lognormal						

Shapiro Wilk for Cadmium

[illegible]

Shapiro Wilk for Cadmium

smp_id	ln of ordered Conc. xi(i)	ln(xi) ²	ln of Reverse Order xi(n-i+1)	Difference xi(n- i+1)-xi(i)	a(n-i+1)	b(i)
BKSB101	-3.9120230051	15.3039241	-0.235722334	3.6763006721	0.38721	1.423463621
BKSB102	-3.9120230051	15.3039241	-0.7985076961	3.1135153091	0.26671	0.8303745331
BKSB103	-3.9120230051	15.3039241	-1.0498221241	2.8622008811	0.23231	0.6648892651
BKSB104	-3.9120230051	15.3039241	-1.2378743561	2.6741486491	0.20721	0.55408361
BKSB105	-3.9120230051	15.3039241	-1.309333321	2.6026896851	0.18681	0.4861824331
BKSB106	-3.6888794541	13.60783161	-1.5606477481	2.1282317061	0.16951	0.3607352741
BKSB107	-3.6888794541	13.60783161	-1.6094379121	2.0794415421	0.15421	0.3206498861
BKSB108	-3.6888794541	13.60783161	-1.6094379121	2.0794415421	0.14051	0.2921615371
BKSB109	-2.9957322741	8.974411851	-1.6094379121	1.3862943611	0.12781	0.1771684191
BKSB110	-2.9957322741	8.974411851	-1.6094379121	1.3862943611	0.1161	0.1608101461
BKSB111	-2.8134107171	7.915279861	-1.6094379121	1.2039728041	0.10491	0.1262967471
BKSB112	-2.8134107171	7.915279861	-1.6607312071	1.152679511	0.09431	0.1086976781
BKSB113	-2.8134107171	7.915279861	-1.7147984281	1.0986122891	0.08421	0.0925031551
BKSB114	-2.8134107171	7.915279861	-1.7147984281	1.0986122891	0.07451	0.0818466161
BKSB115	-2.8134107171	7.915279861	-1.7147984281	1.0986122891	0.06511	0.071519661
BKSB116	-2.6592600371	7.071663941	-1.7719568421	0.8873031951	0.0561	0.0496889791
BKSB117	-2.6592600371	7.071663941	-1.8325814641	0.8266785731	0.04711	0.0389365611
BKSB118	-2.6592600371	7.071663941	-1.8971199851	0.7621400521	0.03831	0.0291899641
BKSB119	-2.5257286441	6.379305181	-1.8971199851	0.6286086591	0.02961	0.0186068161
BKSB120	-2.5257286441	6.379305181	-2.1202635361	0.4054651081	0.02111	0.0085553141
BKSB121	-2.2072749131	4.872062541	-2.2072749131	0	0.01261	0
BKSB122	-2.2072749131	4.872062541	-2.2072749131	0	0.00421	0
BKSB123	-2.2072749131	4.872062541	-2.2072749131	0	0	0
BKSB124	-2.2072749131	4.872062541	-2.2072749131	0		0
BKSB125	-2.1202635361	4.495517461	-2.5257286441	-0.4054651081		
BKSB126	-1.8971199851	3.599064241	-2.5257286441	-0.6286086591	Sum of b=	5.8963602021
BKSB127	-1.8971199851	3.599064241	-2.6592600371	-0.7621400521		
BKSB128	-1.8325814641	3.358354821	-2.6592600371	-0.8266785731	W=	0.9417768361
BKSB129	-1.7719568421	3.139831051	-2.6592600371	-0.8873031951	W(0.05,44)=	0.9441
BKSB130	-1.7147984281	2.940533651	-2.8134107171	-1.0986122891		
BKSB131	-1.7147984281	2.940533651	-2.8134107171	-1.0986122891		
BKSB132	-1.7147984281	2.940533651	-2.8134107171	-1.0986122891		
BKSB133	-1.6607312071	2.758028141	-2.8134107171	-1.152679511		
BKSB134	-1.6094379121	2.590290391	-2.8134107171	-1.2039728041		
BKSB135	-1.6094379121	2.590290391	-2.9957322741	-1.3862943611		
BKSB136	-1.6094379121	2.590290391	-2.9957322741	-1.3862943611		
BKSB137	-1.6094379121	2.590290391	-3.6888794541	-2.0794415421		
BKSB138	-1.6094379121	2.590290391	-3.6888794541	-2.0794415421		
BKSB139	-1.5606477481	2.435621391	-3.6888794541	-2.1282317061		
BKSB140	-1.309333321	1.714353741	-3.9120230051	-2.6026896851		
BKSB141	-1.2378743561	1.532332921	-3.9120230051	-2.6741486491		
BKSB142	-1.0498221241	1.102126491	-3.9120230051	-2.8622008811		
BKSB143	-0.7985076961	0.637614541	-3.9120230051	-3.1135153091		
BKSB144	-0.2357223341	0.055565021	-3.9120230051	-3.6763006721		
Sum of xi	-103.1068741					
Mean	-2.3433380461					
n=	44					
sum of xi ²	278.53071721					
1/n=	0.0227272731					
xi=(sum xi) ²	10631.027471					
d=	36.916456551					
W=	0.9417768361					
W(0.05,44)=	0.9441					
W<W(0.5,44), the distribution is approximately lognormal						

Shapiro Wilk Chromium

smp_id	Chromium	Ordered Conc. x(i)	Reverse Ordered x(n-i+1)	Difference x(n-i+1)-x(i)	a(n-i+1)	b(i)
BKSB101		5.1	0.93	23.6	22.67	0.3872
BKSB102		10.3	1.2	20.3	19.1	0.2667
BKSB103		10.1	1.8	16.6	14.8	0.2323
BKSB104		3.1	2.1	16.1	14	0.2072
BKSB105		4	2.2	12.9	10.7	0.1868
BKSB106		7.6	2.7	12.2	9.5	0.1695
BKSB107		5.1	3.1	11.1	8	0.1542
BKSB108		12.9	3.7	10.3	6.6	0.1405
BKSB109		6.5	4	10.1	6.1	0.1278
BKSB110		16.6	4	8.9	4.9	0.116
BKSB111		6.2	4.3	8.5	4.2	0.1049
BKSB112		4	4.6	8.4	3.8	0.0943
BKSB113		8.9	4.9	8.4	3.5	0.0842
BKSB114		20.3	4.9	8.30	3.4	0.0745
BKSB115		7.3	5.1	8.1	3	0.0651
BKSB116		2.7	5.1	7.7	2.6	0.056
BKSB117		5.7	5.1	7.6	2.5	0.0471
BKSB118		2.2	5.5	7.3	1.8	0.0383
BKSB119		2.1	5.7	7.2	1.5	0.0296
BKSB120		0.93	5.9	6.5	0.6	0.0211
BKSB121		6.3	6.1	6.5	0.4	0.0126
BKSB122		4.9	6.2	6.3	0.1	0.0042
BKSB123		4.3	6.3	6.2	-0.1	0
BKSB124		7.2	6.5	6.1	-0.4	0.0037
BKSB125		5.1	6.5	5.9	-0.6	Sum of b=
BKSB126		5.5	7.2	5.7	-1.5	
BKSB127		3.7	7.3	5.5	-1.8	W=
BKSB128		8.5	7.6	5.1	-2.5	W(0.05,45)=
BKSB129		4.6	7.7	5.1	-2.6	
BKSB130		1.8	8.1	5.1	-3	
BKSB131		7.7	8.30	4.9	-3.4	
BKSB132		5.9	8.4	4.9	-3.5	
BKSB133		4.9	8.4	4.6	-3.8	
BKSB134		1.2	8.5	4.3	-4.2	
BKSB135		6.1	8.9	4	-4.9	
BKSB136		8.30	10.1	4	-6.1	
BKSB137		8.1	10.3	3.7	-6.6	
BKSB138		11.1	11.1	3.1	-8	
BKSB139		8.4	12.2	2.7	-9.5	
BKSB140		16.1	12.9	2.2	-10.7	
BKSB141		23.6	16.1	2.1	-14	
BKSB142		8.4	16.6	1.8	-14.8	
BKSB143		12.2	20.3	1.2	-19.1	
BKSB144		6.5	23.6	0.93	-22.67	
Sum of x _i		322.03				
Mean		7.318863636				
n=		44				
sum of x _i ²		3340.1149				
1/n=		0.022727273				
x _i -(sum x _i) ²		103703.3209				
d=		983.2212432				
W=		0.87100033				
W(0.05,44)=		0.944				

Shapiro Wilk Chromium

smpl id	ln of ordered Conc. xi(i)	ln(xi)^2	ln of Reverse Order x(n-i+1)	Difference x(n- i+1)-x(i)	a(n-i+1)	b(i)
BKSB101	-0.072570693	0.005266505	3.161246712	3.233817405	0.3872	1.252134099
BKSB102	0.182321557	0.03324115	3.010620886	2.828299329	0.2667	0.754307431
BKSB103	0.587786665	0.345493163	2.809402695	2.22161603	0.2323	0.516081404
BKSB104	0.741937345	0.550471024	2.778819272	2.036881927	0.2072	0.422041935
BKSB105	0.78845736	0.621665009	2.557227311	1.768769951	0.1868	0.330406227
BKSB106	0.993251773	0.986549085	2.501435952	1.508184179	0.1695	0.255637218
BKSB107	1.131402111	1.280070738	2.406945108	1.275542997	0.1542	0.19668873
BKSB108	1.30833282	1.711734767	2.332143895	1.023811076	0.1405	0.143845456
BKSB109	1.386294361	1.921812056	2.312535424	0.926241063	0.1278	0.118373608
BKSB110	1.386294361	1.921812056	2.186051277	0.799756916	0.116	0.092771802
BKSB111	1.458615023	2.127557784	2.140066163	0.681451141	0.1049	0.071484225
BKSB112	1.526056303	2.328847841	2.128231706	0.602175402	0.0943	0.05678514
BKSB113	1.589235205	2.525668537	2.128231706	0.538996501	0.0842	0.045383505
BKSB114	1.589235205	2.525668537	2.116255515	0.52702031	0.0745	0.039263013
BKSB115	1.62924054	2.654424736	2.091864062	0.462623522	0.0651	0.030116791
BKSB116	1.62924054	2.654424736	2.041220329	0.411979789	0.056	0.023070868
BKSB117	1.62924054	2.654424736	2.028148247	0.398907708	0.0471	0.018788553
BKSB118	1.704748092	2.906166058	1.987874348	0.283126256	0.0383	0.010843736
BKSB119	1.740466175	3.029222506	1.974081026	0.233614851	0.0296	0.006915
BKSB120	1.774952351	3.150455848	1.871802177	0.096849826	0.0211	0.002043531
BKSB121	1.808288771	3.26990828	1.871802177	0.063513406	0.0126	0.000800269
BKSB122	1.824549292	3.328980119	1.840549633	0.016000341	0.0042	6.72014E-05
BKSB123	1.840549633	3.387622953	1.824549292	-0.016000341	0	0
BKSB124	1.871802177	3.503643389	1.808288771	-0.063513406		0
BKSB125	1.871802177	3.503643389	1.774952351	-0.096849826	Sum of b=	4.387849744
BKSB126	1.974081026	3.896995897	1.740466175	-0.233614851		
BKSB127	1.987874348	3.951644424	1.704748092	-0.283126256	W=	0.96653268
BKSB128	2.028148247	4.113385313	1.62924054	-0.398907708	W(0.05,45)=	0.945
BKSB129	2.041220329	4.166580431	1.62924054	-0.411979789		
BKSB130	2.091864062	4.375895253	1.62924054	-0.462623522		
BKSB131	2.116255515	4.478537404	1.589235205	-0.52702031		
BKSB132	2.128231706	4.529370194	1.589235205	-0.538996501		
BKSB133	2.128231706	4.529370194	1.526056303	-0.602175402		
BKSB134	2.140066163	4.579883184	1.458615023	-0.681451141		
BKSB135	2.186051277	4.778820185	1.386294361	-0.799756916		
BKSB136	2.312535424	5.347820087	1.386294361	-0.926241063		
BKSB137	2.332143895	5.793384754	1.30833282	-1.023811076		
BKSB138	2.406945108	6.257181821	1.131402111	-1.275542997		
BKSB139	2.501435952	6.539411522	0.993251773	-1.508184179		
BKSB140	2.557227311	7.721836546	0.78845736	-1.768769951		
BKSB141	2.778819272	7.892743505	0.741937345	-2.036881927		
BKSB142	2.809402695	9.06383812	0.587786665	-2.22161603		
BKSB143	3.010620886	9.993480774	0.182321557	-2.828299329		
BKSB144	3.161246712	=REF!	-0.072570693	-3.233817405		
Sum of xi	78.61393132					
Mean	1.786680257					
n=	44					
sum of xi^2	160.3778498					
1/n=	0.022727273					
xi*(sum xi)^2	6180.150197					
d=	19.91989073					
W=	0.96653268					
W(0.05,44)=	0.944					
W>W(0.05,44) the distribution is						

Shapiro Wilk for Lead

[illegible]

Shapiro Wilk for Lead

smp_id	ln of ordered Conc. $x(i)$	$\ln(x_i)^2$	ln of Reverse Order $x(n-i+1)$	Difference $x(n-1)-x(i)$	$a(n-i+1)$	$b(i)$
BKSB101	-0.3285040671	0.1079149221	3.5025498761	3.8310539431	0.38721	1.4833840871
BKSB102	0.2623642641	0.0688350071	2.4932054531	2.2308411881	0.26671	0.5949653451
BKSB103	0.4054651081	0.1644019541	2.322387721	1.9169226121	0.23231	0.4453011231
BKSB104	0.4054651081	0.1644019541	2.3125354241	1.9070703161	0.20721	0.3951449691
BKSB105	0.5306282511	0.2815663411	2.2823823861	1.7517541351	0.18681	0.3272276721
BKSB106	0.8329091231	0.6937376071	2.2512917991	1.4183826761	0.16951	0.2404158641
BKSB107	0.8329091231	0.6937376071	2.1162555151	1.2833463921	0.15421	0.1978920141
BKSB108	0.9162907321	0.8395887051	2.0541237341	1.1378330021	0.14051	0.1598655371
BKSB109	1.0986122891	1.2069489611	2.0541237341	0.9555114451	0.12781	0.1221143631
BKSB110	1.1314021111	1.2800707381	2.0412203291	0.9098182171	0.1161	0.1055389131
BKSB111	1.163150811	1.3529198061	2.0149030211	0.8517522111	0.10491	0.0893488071
BKSB112	1.2809338451	1.6407915161	1.8870696491	0.6061358041	0.09431	0.0571586061
BKSB113	1.308332821	1.7117347671	1.8405496331	0.5322168141	0.08421	0.0448126561
BKSB114	1.3350010671	1.7822278481	1.8082887711	0.4732877041	0.07451	0.0352599341
BKSB115	1.3350010671	1.7822278481	1.7917594691	0.4567584021	0.06511	0.0297349721
BKSB116	1.3609765531	1.8522571781	1.7917594691	0.4307829161	0.0561	0.0241238431
BKSB117	1.3862943611	1.9218120561	1.7227665981	0.3364722371	0.04711	0.0158478421
BKSB118	1.4109869741	1.990884241	1.6677068211	0.2567198471	0.03831	0.009832371
BKSB119	1.4109869741	1.990884241	1.6677068211	0.2567198471	0.02961	0.0075989071
BKSB120	1.4109869741	1.990884241	1.629240541	0.2182535661	0.02111	0.004605151
BKSB121	1.5040773971	2.2622488151	1.6094379121	0.1053605161	0.01261	0.0013275421
BKSB122	1.6094379121	2.5902903941	1.6094379121	0	0.00421	0
BKSB123	1.6094379121	2.5902903941	1.6094379121	0		0
BKSB124	1.6094379121	2.5902903941	1.5040773971	-0.1053605161		0
BKSB125	1.629240541	2.6544247361	1.4109869741	-0.2182535661		
BKSB126	1.6677068211	2.7812460391	1.4109869741	-0.2567198471	Sum of b=	4.3915005171
BKSB127	1.6677068211	2.7812460391	1.4109869741	-0.2567198471		
BKSB128	1.7227665981	2.967924751	1.3862943611	-0.3364722371	W(ln)=	0.9753681511
BKSB129	1.7917594691	3.2104019961	1.3609765531	-0.4307829161		
BKSB130	1.7917594691	3.2104019961	1.3350010671	-0.4567584021	W(0.05,44)=	0.9441
BKSB131	1.8082887711	3.269908281	1.3350010671	-0.4732877041		
BKSB132	1.8405496331	3.3876229531	1.3083328211	-0.5322168141		
BKSB133	1.8870696491	3.561031861	1.2809338451	-0.6061358041		
BKSB134	2.0149030211	4.0598341821	1.1631508111	-0.8517522111		
BKSB135	2.0412203291	4.1665804311	1.1314021111	-0.9098182171		
BKSB136	2.0541237341	4.2194243131	1.0986122891	-0.9555114451		
BKSB137	2.0541237341	4.2194243131	0.9162907321	-1.1378330021		
BKSB138	2.1162555151	4.4783374041	0.8329091231	-1.2833463921		
BKSB139	2.2512917991	5.0683147621	0.8329091231	-1.4183826761		
BKSB140	2.2823823861	5.2092693541	0.5306282511	-1.7517541351		
BKSB141	2.3125354241	5.3478200871	0.4054651081	-1.9070703161		
BKSB142	2.322387721	5.3934847231	0.4054651081	-1.9169226121		
BKSB143	2.4932054531	6.2160734291	0.2623642641	-2.2308411881		
BKSB144	3.5025498761	12.267855631	-0.3285040671	-3.8310539431		
Sum of x_i	67.074411381					
Mean	1.524418441					
n=	44					
sum of x_i^2	122.02177481					
1/n=	0.0227272731					
$x_i=(\text{sum } x_i)^2$	4498.9766621					
d=	19.772305231					
W(ln)=	0.9753681511					
W(0.05,44)=	0.9441					
W>W(0.5,44), the distribution is lognormal						

Mean Comparison Statistical Results for Arsenic Samples Collected at FH-010

COMPOUND	N	R	U	MEAN	SD	Z
ArsenicA	25	998.00	402.00	537.50	78.62	-1.72
ArsenicB	43	1348.00				

Mean Comparison Statistical Ranking Results for Arsenic Samples Collected at FH-010

COMPOUND	RESULT	RANK	NEWRANK
ArsenicB	0.4400	1.0	1.00
ArsenicB	0.6600	2.0	2.00
ArsenicB	1.0000	3.0	3.00
ArsenicB	1.6000	4.0	4.00
ArsenicA	1.9000	5.0	5.50
ArsenicB	1.9000	6.0	5.50
ArsenicB	2.0000	7.0	7.00
ArsenicB	2.5000	8.0	8.00
ArsenicB	2.6000	9.0	9.50
ArsenicB	2.6000	10.0	9.50
ArsenicA	2.7000	11.0	11.5
ArsenicB	2.7000	12.0	11.5
ArsenicB	2.9000	13.0	13.0
ArsenicB	3.0000	14.0	14.0
ArsenicA	3.1000	15.0	15.0
ArsenicB	3.2000	16.0	17.0
ArsenicB	3.2000	17.0	17.0
ArsenicB	3.2000	18.0	17.0
ArsenicA	3.4000	19.0	19.0
ArsenicB	3.5000	20.0	20.0
ArsenicB	3.6000	21.0	21.0
ArsenicA	3.7000	22.0	23.0
ArsenicA	3.7000	23.0	23.0
ArsenicB	3.7000	24.0	23.0
ArsenicA	3.8000	25.0	26.5
ArsenicB	3.8000	26.0	26.5
ArsenicB	3.8000	27.0	26.5
ArsenicB	3.8000	28.0	26.5
ArsenicA	3.9000	29.0	29.0
ArsenicB	4.1000	30.0	30.0
ArsenicA	4.2000	31.0	31.5
ArsenicB	4.2000	32.0	31.5
ArsenicA	4.3000	33.0	34.0
ArsenicB	4.3000	34.0	34.0
ArsenicB	4.3000	35.0	34.0
ArsenicB	4.4000	36.0	36.5
ArsenicB	4.4000	37.0	36.5
ArsenicA	4.5000	38.0	38.5
ArsenicA	4.5000	39.0	38.5
ArsenicA	4.6000	40.0	40.0
ArsenicA	4.8000	41.0	42.0
ArsenicB	4.8000	42.0	42.0
ArsenicB	4.8000	43.0	42.0
ArsenicA	4.9000	44.0	44.5
ArsenicA	4.9000	45.0	44.5
ArsenicB	5.2000	46.0	46.5
ArsenicB	5.2000	47.0	46.5
ArsenicB	5.3000	48.0	48.5
ArsenicB	5.3000	49.0	48.5
ArsenicA	5.4000	50.0	50.0
ArsenicA	5.5000	51.0	51.0
ArsenicB	5.6000	52.0	52.0
ArsenicB	5.7000	53.0	53.0
ArsenicA	5.9000	54.0	54.0

COMPOUND	RESULT	RANK	NEWRANK
ArsenicB	6.0000	55.0	55.5
ArsenicB	6.0000	56.0	55.5
ArsenicB	6.2000	57.0	57.0
ArsenicA	6.4000	58.0	58.0
ArsenicA	7.3000	59.0	59.0
ArsenicA	7.5000	60.0	60.0
ArsenicB	7.6000	61.0	61.0
ArsenicB	8.2000	62.0	62.0
ArsenicB	9.1000	63.0	63.0
ArsenicB	9.2000	64.0	64.0
ArsenicA	11.4000	65.0	65.0
ArsenicB	11.6000	66.0	66.0
ArsenicA	12.1000	67.0	67.0
ArsenicA	13.3000	68.0	68.0

APPENDIX G

FH-010 Screening Results

Summary of Detected Analytical Results, Detection Limits and Screening Criteria for FH-010 Samples

Location	Sample ID	Depth	Parameter	Result	PQL	Units	Screening Criteria	Screening Value	Units
CPT101	10CPT101	--	Vinyl Chloride	0.019	0.001	mg/l	30 TAC 335 Groundwater	0.002	mg/l
CPT104	10CPT104	--	Vinyl Chloride	0.0013	0.001	mg/l	30 TAC 335 Groundwater	0.002	mg/l
CPT118	10CPT118	--	Vinyl Chloride	0.0044	0.001	mg/l	30 TAC 335 Groundwater	0.002	mg/l
PZ101	10SB117	20.0-21.0	Arsenic	12.1	0.18	mg/kg	Soil Background	9.2	mg/kg
			Barium	3.8	0.13	mg/kg	Soil Background	157.3	mg/kg
			Chromium	2.8	0.08	mg/kg	Soil Background	24.9	mg/kg
			Lead	4.5	0.14	mg/kg	Soil Background	19	mg/kg
			Selenium	0.26 J	0.23	mg/kg	30 TAC 335 Industrial Soil GWP	5.0	mg/kg
			Acetone	0.006	0.005	mg/kg	30 TAC 335 Industrial Soil GWP	1020	mg/kg
PZ102	10SB118	17.0-18.5	Arsenic	6.4	0.19	mg/kg	Soil Background	9.2	mg/kg
			Barium	3.3	0.14	mg/kg	Soil Background	157.3	mg/kg
			Chromium	1.9	0.08	mg/kg	Soil Background	24.9	mg/kg
			Lead	4.6	0.15	mg/kg	Soil Background	19	mg/kg
			Selenium	0.25 J	0.24	mg/kg	30 TAC 335 Industrial Soil GWP	5.0	mg/kg
			n-Butylbenzene	0.006	0.005	mg/kg	30TAC335 Ind Soil GWP Calc. MSC	102	mg/kg
PZ103	10PZ101	--	Barium	0.148	0.0006	mg/l	30 TAC 335 Groundwater	2.0	mg/l

Summary of Detected Analytical Results, Detection Limits and Screening Criteria for FH-010 Samples

Location	Sample ID	Depth	Parameter	Result	PQL	Units	Screening Criteria	Screening Value	Units
PZ103	10PZ101	--	Chromium	0.0057	0.0007	mg/l	30 TAC 335 Groundwater	0.1	mg/l
			Chlorobenzene	0.006	0.005	mg/l	30 TAC 335 Groundwater	0.1	mg/l
	10SB119	20.0-20.5	Arsenic	2.7	0.18	mg/kg	Soil Background	9.2	mg/kg
			Barium	5.1	0.13	mg/kg	Soil Background	157.3	mg/kg
			Chromium	2.8	0.08	mg/kg	Soil Background	24.9	mg/kg
			Lead	2.8	0.14	mg/kg	Soil Background	19	mg/kg
PZ104	10PZ102	--	Barium	0.0769	0.0006	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			Lead	0.0016	0.0015	mg/l	30 TAC 335 Groundwater	0.015	mg/l
	10SB120	15.0-15.5	Arsenic	4.5	0.19	mg/kg	Soil Background	9.2	mg/kg
			Barium	3.9	0.14	mg/kg	Soil Background	157.3	mg/kg
			Chromium	2.5	0.08	mg/kg	Soil Background	24.9	mg/kg
			Lead	3.7	0.15	mg/kg	Soil Background	19	mg/kg
			Acetone	0.009	0.005	mg/kg	30 TAC 335 Industrial Soil GWP	1020	mg/kg
			Methylene Chloride	0.012	0.005	mg/kg	30 TAC 335 Industrial Soil GWP	0.5	mg/kg
SB101	10SB101	0.0-0.5	Arsenic	4.9	0.38	mg/kg	Soil Background	9.2	mg/kg
			Barium	39.9	0.09	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	0.13 B	0.05	mg/kg	Soil Background	0.67	mg/kg
			Chromium	6.6	0.09	mg/kg	Soil Background	24.9	mg/kg
			Lead	7.2	0.16	mg/kg	Soil Background	19	mg/kg
	10SB102	16.5-17.0	Arsenic	7.3	0.43	mg/kg	Soil Background	9.2	mg/kg
			Barium	23.4	0.1	mg/kg	Soil Background	157.3	mg/kg

Summary of Detected Analytical Results, Detection Limits and Screening Criteria for FH-010 Samples

Location	Sample ID	Depth	Parameter	Result	PQL	Units	Screening Criteria	Screening Value	Units	
SB101	10SB102	16.5-17.0	Cadmium	0.06	B	0.05	mg/kg	Soil Background	0.67	mg/kg
			Chromium	4.7		0.1	mg/kg	Soil Background	24.9	mg/kg
			Lead	6.4		0.18	mg/kg	Soil Background	19	mg/kg
	10SB103	25.5-26.0	Arsenic	5.9		0.35	mg/kg	Soil Background	9.2	mg/kg
			Barium	2.3		0.09	mg/kg	Soil Background	157.3	mg/kg
			Chromium	1.5		0.09	mg/kg	Soil Background	24.9	mg/kg
			Lead	3.5		0.15	mg/kg	Soil Background	19	mg/kg
			Toluene	0.032		0.005	mg/kg	30 TAC 335 Industrial Soil GWP	100	mg/kg
	SB102	10SB115	0.0-1.0	Arsenic	4.9		0.39	mg/kg	Soil Background	9.2
Barium				35.9		0.1	mg/kg	Soil Background	157.3	mg/kg
Cadmium				0.12	B	0.05	mg/kg	Soil Background	0.67	mg/kg
Chromium				7		0.1	mg/kg	Soil Background	24.9	mg/kg
Lead				6.9		0.17	mg/kg	Soil Background	19	mg/kg
FHGW101		--	Arsenic	0.0215		0.0025	mg/l	30 TAC 335 Groundwater	0.05	mg/l
			Barium	0.254		0.0003	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			1,4-Dichlorobenzene	0.027		0.01	mg/l	30 TAC 335 Groundwater	0.075	mg/l
			N-Nitrosodiphenylamine	0.015		0.01	mg/l	30 TAC 335 Groundwater	0.017	mg/l
			Naphthalene	0.05		0.01	mg/l	30 TAC 335 Groundwater	1.46	mg/l
			1,2,4-trimethylbenzene	0.049		0.005	mg/l	30 TAC 335 Groundwater Calc. MSC	1.83	mg/l
			1,3,5-trimethylbenzene	0.007		0.005	mg/l	30 TAC 335 Groundwater Calc. MSC	1.83	mg/l
			1,4-Dichlorobenzene	0.039		0.005	mg/l	30 TAC 335 Groundwater	0.075	mg/l
			Chlorobenzene	0.079		0.005	mg/l	30 TAC 335 Groundwater	0.1	mg/l
			Ethylbenzene	0.032		0.005	mg/l	30 TAC 335 Groundwater	0.7	mg/l
			Isopropyl Benzene	0.006		0.005	mg/l	30 TAC 335 Groundwater Calc. MSC	3.65	mg/l
			m,p-Xylene	0.075		0.005	mg/l	30 TAC 335 Groundwater	10	mg/l
			n-propylbenzene	0.009		0.005	mg/l	30 TAC 335 Groundwater Calc. MSC	0.365	mg/l

Summary of Detected Analytical Results, Detection Limits and Screening Criteria for FH-010 Samples

Location	Sample ID	Depth	Parameter	Result	PQL	Units	Screening Criteria	Screening Value	Units
SB102	FHGW101	--	Naphthalene	0.078	0.005	mg/l	30 TAC 335 Groundwater	1.46	mg/l
			o-Xylene	0.013	0.005	mg/l	30 TAC 335 Groundwater	10.0	mg/l
			Vinyl Chloride	0.02	0.005	mg/l	30 TAC 335 Groundwater	0.002	mg/l
SB103	10SB112	0.0-1.0	Arsenic	4.3	0.38	mg/kg	Soil Background	9.2	mg/kg
			Barium	26.5	0.09	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	0.09 B	0.05	mg/kg	Soil Background	0.67	mg/kg
			Chromium	6	0.09	mg/kg	Soil Background	24.9	mg/kg
			Lead	5.6	0.16	mg/kg	Soil Background	19	mg/kg
	10SB113	15.5-16.0	Arsenic	3.7	0.38	mg/kg	Soil Background	9.2	mg/kg
			Barium	7.2	0.09	mg/kg	Soil Background	157.3	mg/kg
			Chromium	4.8	0.09	mg/kg	Soil Background	24.9	mg/kg
			Lead	6.6	0.16	mg/kg	Soil Background	19	mg/kg
	10SB114	25.0-25.5	Arsenic	4.5	0.35	mg/kg	Soil Background	9.2	mg/kg
			Barium	1.9	0.09	mg/kg	Soil Background	157.3	mg/kg
			Chromium	1.5	0.09	mg/kg	Soil Background	24.9	mg/kg
			Lead	2.6	0.15	mg/kg	Soil Background	19	mg/kg
			Acetone	0.42	0.027	mg/kg	30 TAC 335 Industrial Soil GWP	1020	mg/kg
			Toluene	0.015	0.005	mg/kg	30 TAC 335 Industrial Soil GWP	100	mg/kg
			Trichloroethene	0.011	0.005	mg/kg	30 TAC 335 Industrial Soil GWP	0.5	mg/kg
SB104	10SB110	0.0-1.0	Arsenic	5.5	0.42	mg/kg	Soil Background	9.2	mg/kg
			Barium	51.3	0.1	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	0.58 B	0.05	mg/kg	Soil Background	0.67	mg/kg
			Chromium	10.2	0.1	mg/kg	Soil Background	24.9	mg/kg
			Lead	13.9	0.18	mg/kg	Soil Background	19	mg/kg

Summary of Detected Analytical Results, Detection Limits and Screening Criteria for FH-010 Samples

Location	Sample ID	Depth	Parameter	Result	PQL	Units	Screening Criteria	Screening Value	Units
SB104	10SB111	25.0-25.5	Arsenic	4.6	0.36	mg/kg	Soil Background	9.2	mg/kg
			Barium	2.3	0.09	mg/kg	Soil Background	157.3	mg/kg
			Chromium	2	0.09	mg/kg	Soil Background	24.9	mg/kg
			Lead	2.9	0.15	mg/kg	Soil Background	19	mg/kg
			Trichloroethene	0.008	0.005	mg/kg	30 TAC 335 Industrial Soil GWP	0.5	mg/kg
SB105	10SB107	0.0-1.0	Arsenic	3.4	0.4	mg/kg	Soil Background	9.2	mg/kg
			Barium	23.5	0.1	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	0.07 B	0.05	mg/kg	Soil Background	0.67	mg/kg
			Chromium	6.6	0.1	mg/kg	Soil Background	24.9	mg/kg
			Lead	3.5	0.17	mg/kg	Soil Background	19	mg/kg
			Acetone	0.14	0.006	mg/kg	30 TAC 335 Industrial Soil GWP	1020	mg/kg
			Toluene	0.007	0.006	mg/kg	30 TAC 335 Industrial Soil GWP	100	mg/kg
	10SB108	16.0-17.0	Arsenic	1.9	0.34	mg/kg	Soil Background	9.2	mg/kg
			Barium	1.8	0.08	mg/kg	Soil Background	157.3	mg/kg
			Chromium	1.1	0.08	mg/kg	Soil Background	24.9	mg/kg
			Lead	2	0.15	mg/kg	Soil Background	19	mg/kg
	10SB109	27.0-28.0	Arsenic	4.2	0.35	mg/kg	Soil Background	9.2	mg/kg
			Barium	2	0.09	mg/kg	Soil Background	157.3	mg/kg
			Chromium	1.4	0.09	mg/kg	Soil Background	24.9	mg/kg
			Lead	3.1	0.15	mg/kg	Soil Background	19	mg/kg
			Toluene	0.026	0.005	mg/kg	30 TAC 335 Industrial Soil GWP	100	mg/kg

Summary of Detected Analytical Results, Detection Limits and Screening Criteria for FH-010 Samples

Location	Sample ID	Depth	Parameter	Result	PQL	Units	Screening Criteria	Screening Value	Units
SB106	10SB104	--	Arsenic	3.9	0.4	mg/kg	Soil Background	9.2	mg/kg
			Barium	55.3	0.1	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	0.14 B	0.05	mg/kg	Soil Background	0.67	mg/kg
			Chromium	7.1	0.1	mg/kg	Soil Background	24.9	mg/kg
			Lead	7.5	0.17	mg/kg	Soil Background	19	mg/kg
			Toluene	0.01	0.006	mg/kg	30 TAC 335 Industrial Soil GWP	100	mg/kg
	10SB105	15.5-16.0	Arsenic	13.3	0.37	mg/kg	Soil Background	9.2	mg/kg
			Barium	7.7	0.09	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	0.15 B	0.04	mg/kg	Soil Background	0.67	mg/kg
			Chromium	5.6	0.09	mg/kg	Soil Background	24.9	mg/kg
			Lead	14.4	0.15	mg/kg	Soil Background	19	mg/kg
	10SB106	25.0-25.5	Arsenic	11.4	0.35	mg/kg	Soil Background	9.2	mg/kg
			Barium	5.6	0.09	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	0.08 B	0.04	mg/kg	Soil Background	0.67	mg/kg
			Chromium	3	0.09	mg/kg	Soil Background	24.9	mg/kg
			Lead	5.4	0.15	mg/kg	Soil Background	19	mg/kg
			Acetone	0.017	0.005	mg/kg	30 TAC 335 Industrial Soil GWP	1020	mg/kg
SB107	10GW101	--	Arsenic	0.0234	0.0029	mg/l	30 TAC 335 Groundwater	0.05	mg/l
			Barium	0.506	0.0006	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			Cadmium	0.0076	0.0003	mg/l	30 TAC 335 Groundwater	0.005	mg/l
			Chromium	0.0392	0.0007	mg/l	30 TAC 335 Groundwater	0.1	mg/l
			Lead	0.248 N*	0.0015	mg/l	30 TAC 335 Groundwater	0.015	mg/l
			Mercury	0.0005 N	0.0001	mg/l	30 TAC 335 Groundwater	0.002	mg/l

Summary of Detected Analytical Results, Detection Limits and Screening Criteria for FH-010 Samples

Location	Sample ID	Depth	Parameter	Result	PQL	Units	Screening Criteria	Screening Value	Units
SB107	10GW101	--	1,4-Dichlorobenzene	0.025	0.005	mg/l	30 TAC 335 Groundwater	0.075	mg/l
			Chlorobenzene	0.084	0.005	mg/l	30 TAC 335 Groundwater	0.1	mg/l
			n-propylbenzene	0.007	0.005	mg/l	30 TAC 335 Groundwater Calc. MSC	0.365	mg/l
			Naphthalene	0.059	0.005	mg/l	30 TAC 335 Groundwater	1.46	mg/l
			Vinyl Chloride	0.026	0.005	mg/l	30 TAC 335 Groundwater	0.002	mg/l
	10SB121	0.0-2.0	Arsenic	5.4	0.2	mg/kg	Soil Background	9.2	mg/kg
			Barium	30.2	0.15	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	0.1 B	0.03	mg/kg	Soil Background	0.67	mg/kg
			Chromium	6.8	0.09	mg/kg	Soil Background	24.9	mg/kg
			Lead	7.9	0.16	mg/kg	Soil Background	19	mg/kg
			Mercury	0.05	0.04	mg/kg	30 TAC 335 Industrial Soil GWP	0.2	mg/kg
	10SB122	2.0-4.0	Arsenic	4.8	0.2	mg/kg	Soil Background	9.2	mg/kg
			Barium	20.2	0.14	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	0.1 B	0.03	mg/kg	Soil Background	0.67	mg/kg
			Chromium	4	0.09	mg/kg	Soil Background	24.9	mg/kg
			Lead	2.3	0.15	mg/kg	Soil Background	19	mg/kg
	10SB123	4.0-6.0	Arsenic	3.8	0.21	mg/kg	Soil Background	9.2	mg/kg
			Barium	37	0.15	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	0.09 B	0.04	mg/kg	Soil Background	0.67	mg/kg
			Chromium	4.9	0.09	mg/kg	Soil Background	24.9	mg/kg
			Lead	3.6	0.16	mg/kg	Soil Background	19	mg/kg
	10SB124	6.0-8.0	Arsenic	3.7	0.2	mg/kg	Soil Background	9.2	mg/kg
			Barium	53.3	0.14	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	0.08 B	0.03	mg/kg	Soil Background	0.67	mg/kg
			Chromium	5.6	0.09	mg/kg	Soil Background	24.9	mg/kg
			Lead	5.5	0.15	mg/kg	Soil Background	19	mg/kg

Summary of Detected Analytical Results, Detection Limits and Screening Criteria for FH-010 Samples

Location	Sample ID	Depth	Parameter	Result	PQL	Units	Screening Criteria	Screening Value	Units
SB107	10SB125	8.0-12.0	Arsenic	3.1	0.22	mg/kg	Soil Background	9.2	mg/kg
			Barium	33.8	0.16	mg/kg	Soil Background	157.3	mg/kg
			Chromium	5.6	0.1	mg/kg	Soil Background	24.9	mg/kg
			Lead	5.8	0.17	mg/kg	Soil Background	19	mg/kg
	10SB126	12.0-14.2	Arsenic	7.5	0.22	mg/kg	Soil Background	9.2	mg/kg
			Barium	50	0.16	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	2.2	0.04	mg/kg	Soil Background	0.67	mg/kg
			Chromium	11.5	0.1	mg/kg	Soil Background	24.9	mg/kg
			Lead	99.7	0.17	mg/kg	Soil Background	19	mg/kg
			Mercury	0.07	0.04	mg/kg	30 TAC 335 Industrial Soil GWP	0.2	mg/kg
			1,4-Dichlorobenzene	0.88	0.39	mg/kg	30 TAC 335 Industrial Soil GWP	7.5	mg/kg
			2-Methylnaphthalene	0.59	0.39	mg/kg	30TAC335 Ind Soil GWP Calc. MSC	409	mg/kg
			Bis(2-ethylhexyl)phthalate	2.6	0.39	mg/kg	30 TAC 335 Industrial Soil GWP	2.04	mg/kg
			Di-n-butyl Phthalate	0.94	0.39	mg/kg	30 TAC 335 Industrial Soil GWP	1020	mg/kg
			N-Nitrosodiphenylamine	1	0.39	mg/kg	30 TAC 335 Industrial Soil GWP	1200	mg/kg
			Naphthalene	2.4	0.39	mg/kg	30 TAC 335 Industrial Soil GWP	409	mg/kg
			Phenanthrene	0.68	0.39	mg/kg	30TAC335 Ind Soil GWP Calc. MSC	3070	mg/kg
			Chlorobenzene	0.18	0.006	mg/kg	30 TAC 335 Industrial Soil GWP	10	mg/kg
			Isopropyl Benzene	0.086	0.006	mg/kg	30TAC335 Ind Soil GWP Calc. MSC	1020	mg/kg
			n-Butylbenzene	1.4 D	0.78	mg/kg	30TAC335 Ind Soil GWP Calc. MSC	102	mg/kg
			n-propylbenzene	0.21	0.006	mg/kg	30TAC335 Ind Soil GWP Calc. MSC	102	mg/kg
			sec-Butylbenzene	1.1 D	0.78	mg/kg	30TAC335 Ind Soil GWP Calc. MSC	102	mg/kg
			tert-Butylbenzene	0.017	0.006	mg/kg	30TAC335 Ind Soil GWP Calc. MSC	102	mg/kg